



# Ranger Award Core Requirements

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## CORE REQUIREMENTS

Do all of the following core requirements.

1. **First Aid**

Complete a standard first aid course plus the American Red Cross *When Help Is Delayed* module or equivalent course.

2. **Communications**

Do (a), (b), or (c).

- a. Take a communications-related training class that includes at least 15 hours of training. This could be a nonrequired course at school such as creative writing, technical writing, American Sign Language, or film production. It could also be a commercial course such as speedreading or effective presentations.
- b. Actively participate in a communications-related club or organization for at least three months. Participate in at least three activities of the organization where you practice or improve your communications skills. Examples include Toastmasters, debate clubs, or drama clubs.
- c. Read at least two books approved by your Advisor on a communications subject of interest to you. Write a report on the important communications principles you learned and how you think you can apply these principles to improve your communications.

and do (d), (e), or (f) in connection with an outdoor skill or area you are interested in. Have your Advisor approve your plan before you begin.

- d. Make a formal, oral presentation of at least 30 minutes to your crew, another crew, a Cub or Boy Scout group, or another youth group. Include demonstrations, visual aids, or other techniques that will help you communicate more effectively.
- e. Prepare and present an audio/video presentation at least 15 minutes long to your crew or other group approved by your Advisor.
- f. Prepare a written pamphlet, set of instructions, or description and summary. It should be at least 1,000 words and provide a complete description of your chosen subject. Include pictures, charts, and/or diagrams to better communicate your topic. Have two people, one with expertise in the area you are presenting and one without expertise, read and critique your work. Make improvements to your draft based on their input. If your work is applicable to your crew, such as a work on caving skills, then share your work with your crew.

and do (g).

- g. Make a tabletop display or presentation for your crew, another crew, a Cub or Boy Scout group, or another youth group on communications equipment used in the outdoors with emphasis on how this equipment would help in a wilderness survival situation.

### 3. **Cooking**

- g. Plan a menu and purchase the food for at least six people for a two night campout with at least three meals.
- h. On the campout in (a) above, cook the three meals using at least two of the following three methods of cooking: fire/coals, charcoal, stove.
- i. Demonstrate and explain proper safe food handling methods for outdoor cooking.
- j. Demonstrate that you can prepare backpacking-type trail food using a backpacking style stove.
- k. Without using any cooking utensils, prepare a meal with the four basic food groups for three people.
- l. Cook an entree, a bread, and a dessert in a Dutch oven.

### 4. **Emergency Preparedness**

(Use *Exploring Emergency Management Program Helps*, No. 99-243, for resources.)

- . Discuss potential disasters and emergency preparedness with your family and then set up a family emergency plan.
  - a. Build a family emergency kit.
  - b. Make a tabletop display or presentation on what you have learned for your crew, another crew, a Cub or Boy Scout group, or another youth group.

### 5. **Land Navigation**

- . Using a topographical map for your area or the area you will be navigating in, demonstrate that you know the following map symbols:

Index contour	Checked spot elevation
Vertical control station	Hard-surface, medium-duty road
Hard-surface, heavy-duty road	Marsh
Depression	Bridge
Railroad, single track	Map scale
Ridge	Cemetery
Power transmission line	Intermittent stream
Trail	Campsite
Building	Water well or spring
Stream	Unimproved dirt road

- a. Explain contour lines. Be able to tell the contour interval for your map and be able to show the difference between a steep and a gentle slope.
- b. Using a map and compass, navigate an orienteering course that has at least six legs covering at least 2.5 miles.
- c. Learn to use a global positioning system (GPS) receiver. Demonstrate that you can find a fixed coordinate at night using a GPS receiver.
- d. Teach the navigating skills you have learned in (a) through (d) above to your crew, another crew, a Cub or Boy Scout group, or another group.

#### 6. **Leave No Trace**

- . Recite and explain the principles of [Leave No Trace](#).
- a. Participate in three separate camping/backpacking trips demonstrating that you know and use Leave No Trace principles.
- b. Make a tabletop display or presentation on the Leave No Trace principles and how they affect the environment and attitude of campers for your crew, another crew, a Cub or Boy Scout group, or another group.

#### 7. **Wilderness Survival**

(Before you begin wilderness survival, you must have completed the cooking, land navigation, and first aid core requirements.)

- . Write a risk management plan for an upcoming crew high adventure activity such as a whitewater canoeing or rockclimbing trip. The plan should include nutrition, health, first aid, supervision, insurance, safety rules and regulations, proper equipment, maps and compass, in-service training, environmental considerations, emergency and evacuation procedures, and emergency contacts.
- a. From memory, list the survival priorities and explain your use of each in a survival situation.

- b. Learn about and then make a tabletop display or presentation for your crew, another crew, a Cub or Boy Scout group, or another youth group on the following subjects:
  - 1. Emergency signals used in the outdoors
  - 2. Search and rescue patterns
  - 3. Evacuation procedures and value of when to move and when not to move in a wilderness emergency
- c. Explain the following environmental exposure problems. Discuss what causes them, signs and symptoms, and treatment.
  - 0. Hypothermia
    - 1. Frostbite
    - 2. Sunburn
    - 3. Heat exhaustion
    - 4. Heat cramps
    - 5. Heat stroke
- d.
  - 0. Explain dehydration and the necessity of conserving fluids in a survival situation.
  - 1. Explain at least four methods of obtaining water in the outdoors and demonstrate at least two ways to purify that water.
- e.
  - 0. Demonstrate at least two different fire lays-one for cooking and one for warmth.
  - 1. Learn and discuss the use of fire starters, tinder, kindling, softwoods, and hardwoods in fire making.
- f. Explain and demonstrate how you can gain knowledge of weather patterns using VHF band radio and other radios, winds, barometric pressure, air masses and their movements, clouds, and other indicators.
- g.
  - 0. Explain the different rope materials and thicknesses that are best for wilderness use and how to care for them.
  - 1. Know the use of and demonstrate how to tie the following knots and lashings:
    - a. Sheet bend
    - b. Fisherman's knot
    - c. Bowline
    - d. Bowline on a bight
    - e. Two half hitches
    - f. Clove hitch
    - g. Timber hitch
    - h. Taut-line hitch
    - i. Square lashing
    - j. Shear lashing
- h.
  - 0. Explain the usefulness and drawbacks of obtaining food in the wilderness, including things to avoid.

1. Prepare and eat at least one meal with food you have found in the outdoors.
- i.
0. Make a list of items you would include in a wilderness survival kit and then make copies to hand out to visitors to your wilderness survival outpost camp.
  1. Using your list, make a wilderness survival kit. Explain the use of each item you have included.
- j.
0. Set up a wilderness survival outpost camp and spend at least two nights and two days in your site.
  1. Use and demonstrate several knots and lashings from requirement (h) in your wilderness survival campsite demonstration.
  2. Know how to plan a wilderness shelter for three different environments and then build a shelter as part of your wilderness survival campsite demonstration.
  3. Have your crew, another crew, a Cub or Boy Scout group, or another youth group visit you in your outpost for a presentation you make on wilderness survival (at least one hour).
8. **Conservation**
- . As a Venturer, plan, lead, and carry out a significant conservation project under the guidance of a natural resources professional.
  - a. Make a tabletop display or presentation on your conservation project for your crew, another crew, a Cub or Boy Scout group, or another youth group.



## **Ranger Award Core Requirements**

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## CORE REQUIREMENTS

Do all of the following core requirements.

1. **First Aid**

Complete a standard first aid course plus the American Red Cross *When Help Is Delayed* module or equivalent course.

**Course name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Advisor signature:** \_\_\_\_\_

2. **Communications**

Do (a), (b), or (c).

- a. Take a communications-related training class that includes at least 15 hours of training. This could be a nonrequired course at school such as creative writing, technical writing, American Sign Language, or film production. It could also be a commercial course such as speedreading or effective presentations.

Name of Course: \_\_\_\_\_

**Date:** \_\_\_\_\_

**Advisor signature:** \_\_\_\_\_

- b. Actively participate in a communications-related club or organization for at least three months. Participate in at least three activities of the

organization where you practice or improve your communications skills.  
Examples include Toastmasters, debate clubs, or drama clubs.

Name of club or organization: \_\_\_\_\_

Date started: \_\_\_\_\_

Date ended: \_\_\_\_\_

Name of one activity: \_\_\_\_\_

Name of another activity: \_\_\_\_\_

Name of another activity: \_\_\_\_\_

**Date:** \_\_\_\_\_

**Advisor signature:** \_\_\_\_\_

- c. Read at least two books approved by your Advisor on a communications subject of interest to you. Write a report on the important communications principles you learned and how you think you can apply these principles to improve your communications.

Name of one book: \_\_\_\_\_

Name of the other book: \_\_\_\_\_

Write report on the important communications principles you learned and how you think you can apply these principles to improve your communications: \_\_\_\_\_

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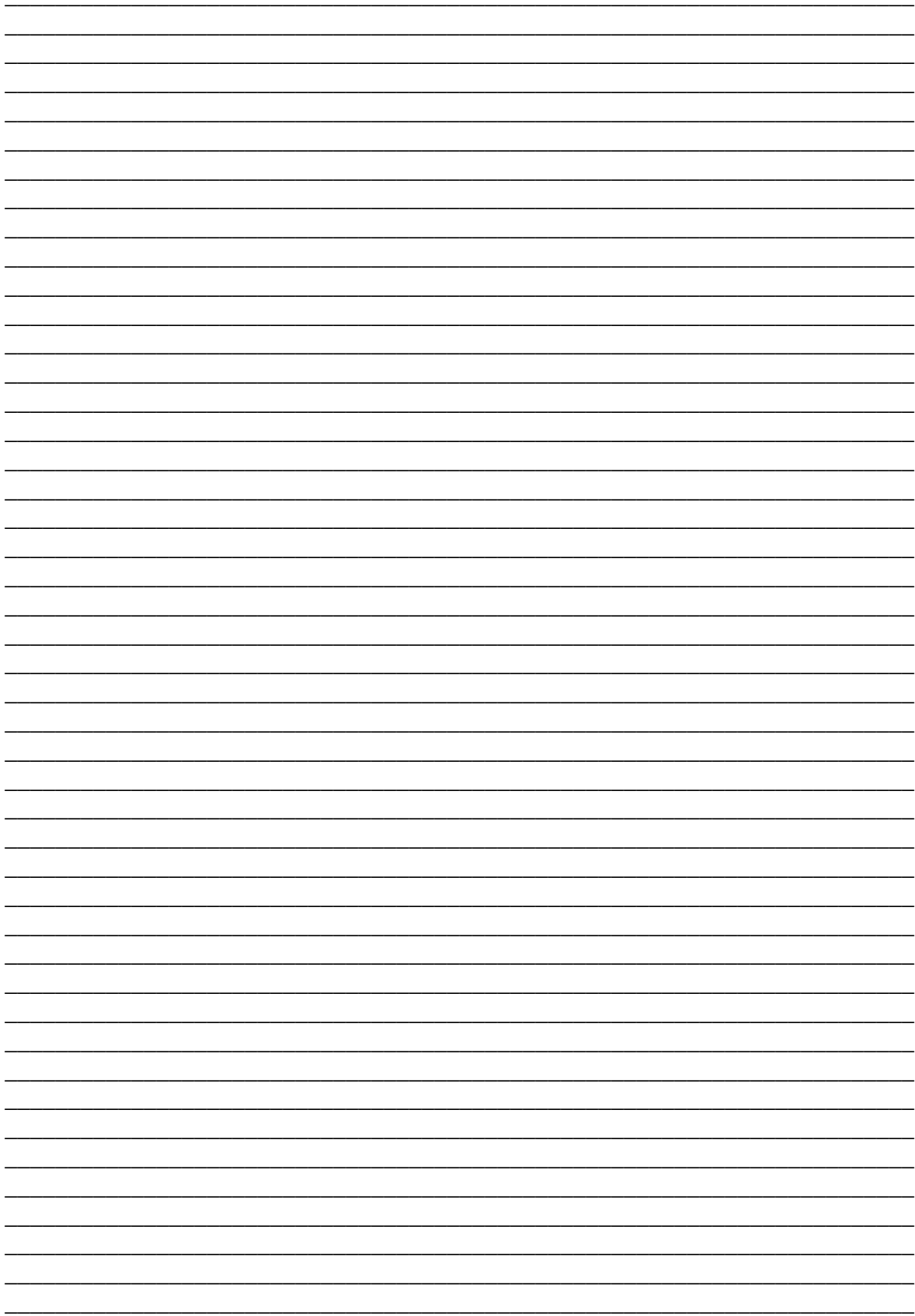
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**Date:** \_\_\_\_\_

**Advisor signature:** \_\_\_\_\_

- f. Prepare a written pamphlet, set of instructions, or description and summary. It should be at least 1,000 words and provide a complete description of your chosen subject. Include pictures, charts, and/or diagrams to better communicate your topic. Have two people, one with expertise in the area you are presenting and one without expertise, read and critique your work. Make improvements to your draft based on their input. If your work is applicable to your crew, such as a work on caving skills, then share your work with your crew.

Prepare a written pamphlet, set of instructions, or description and summary. It should be at least 1,000 words and provide a complete description of your chosen subject. Include pictures, charts, and/or diagrams to better communicate your topic:

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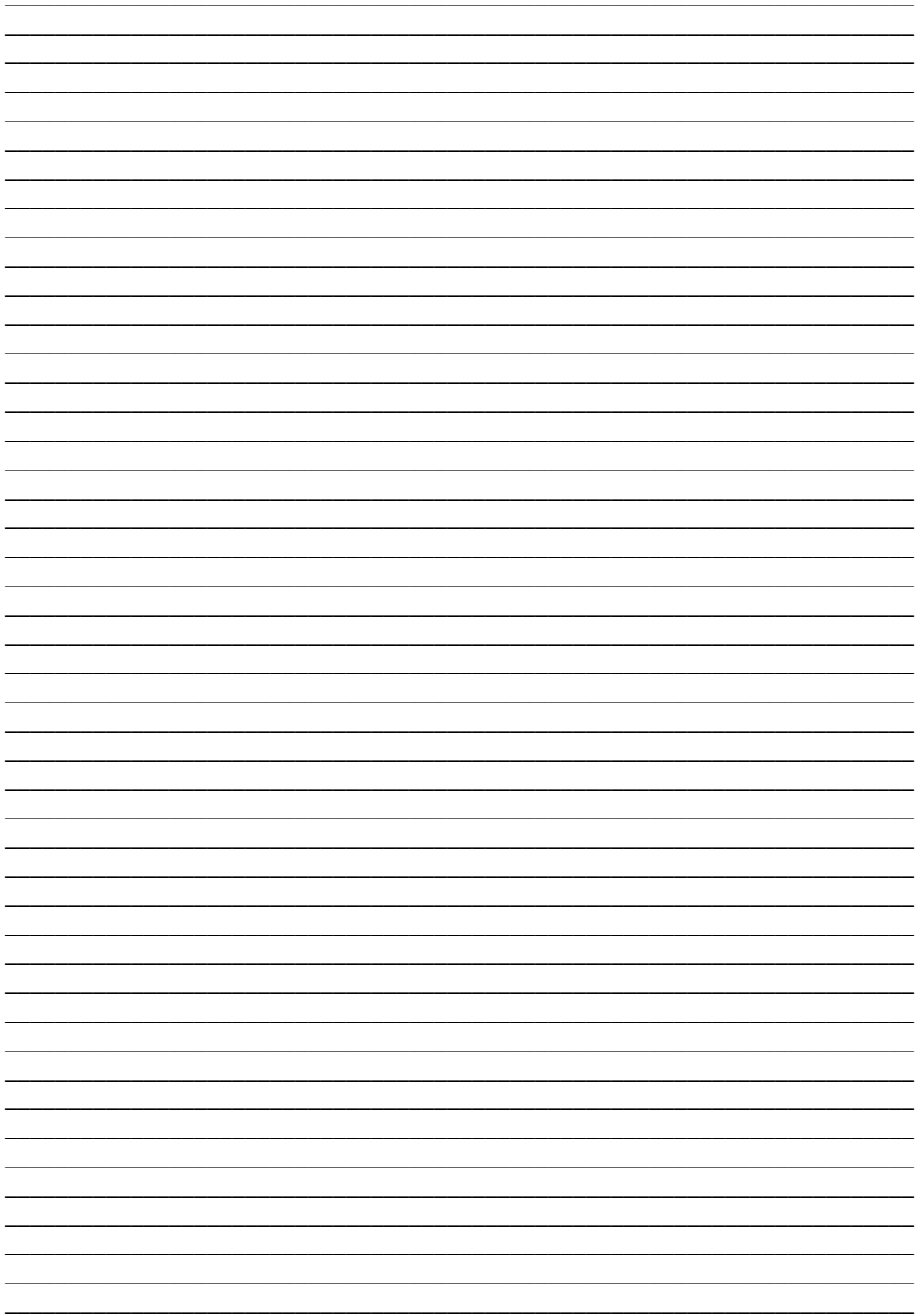
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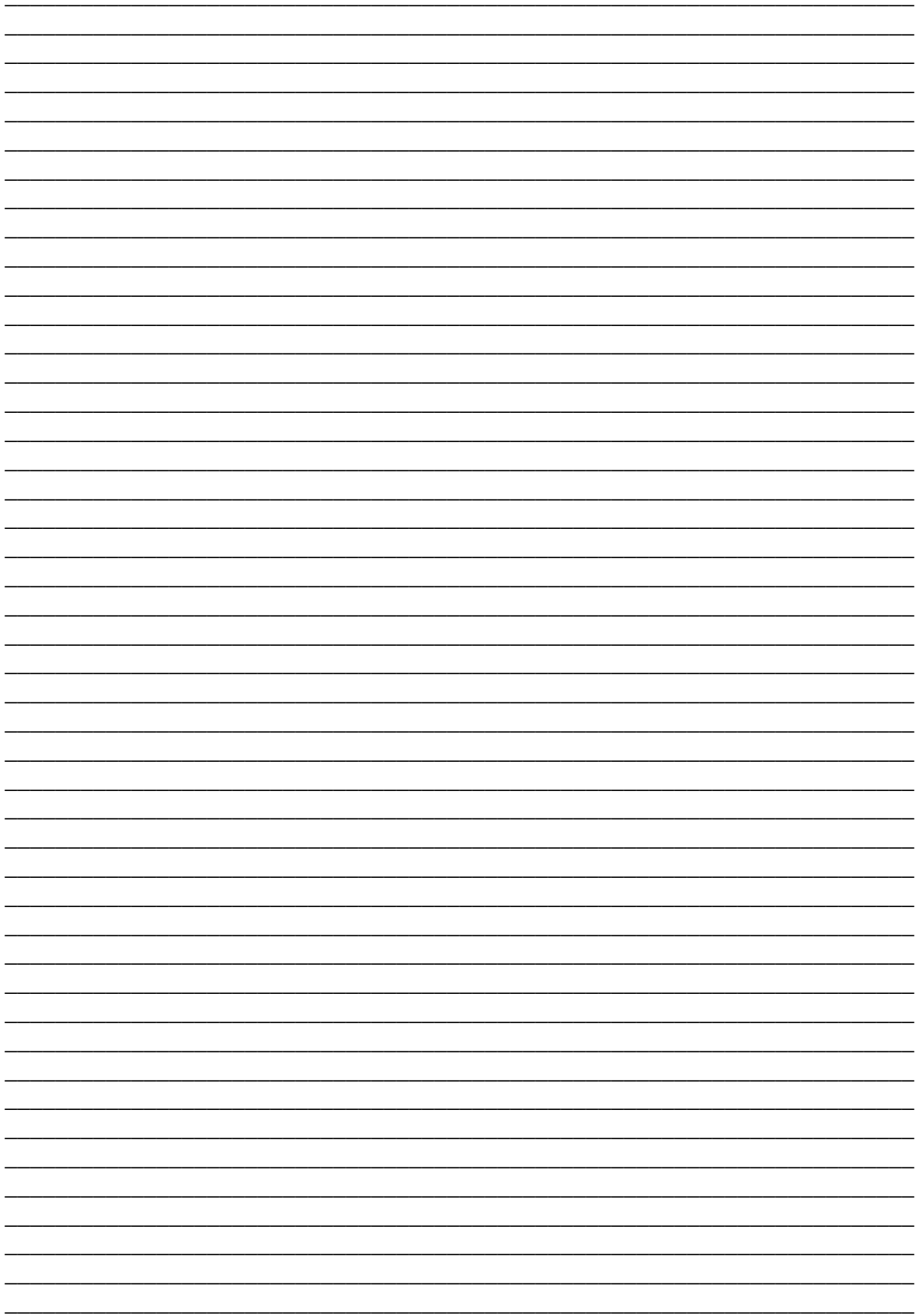
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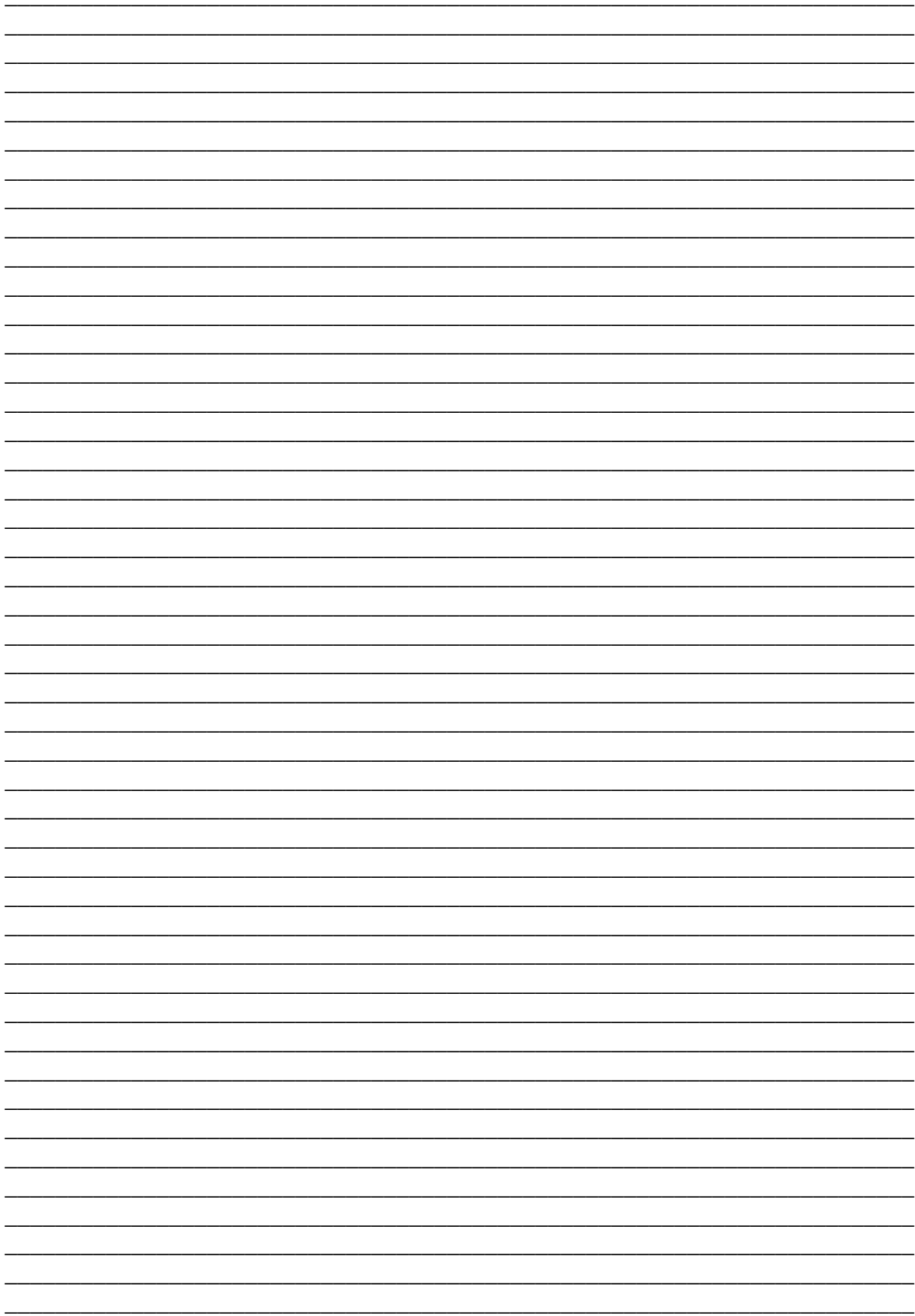
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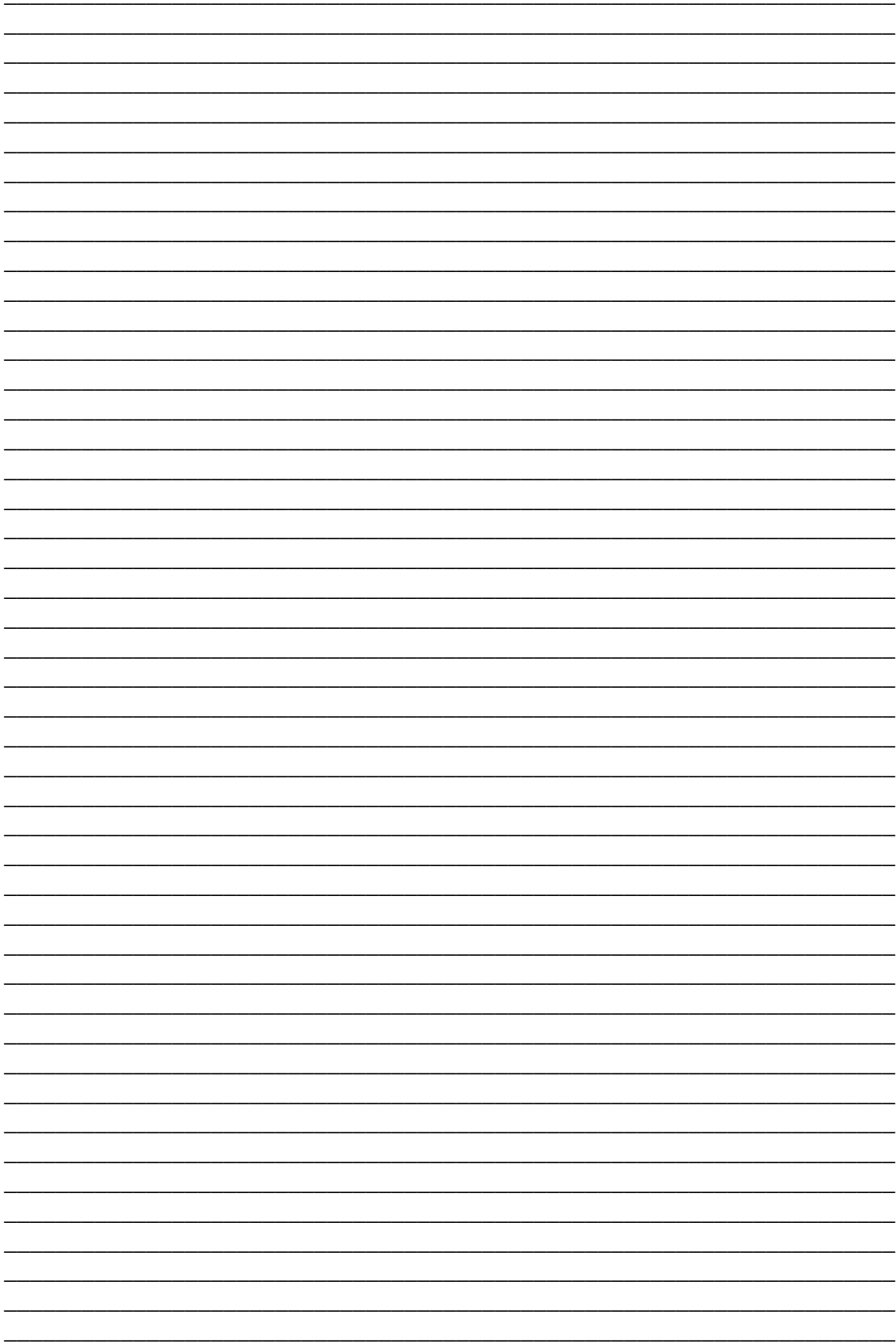
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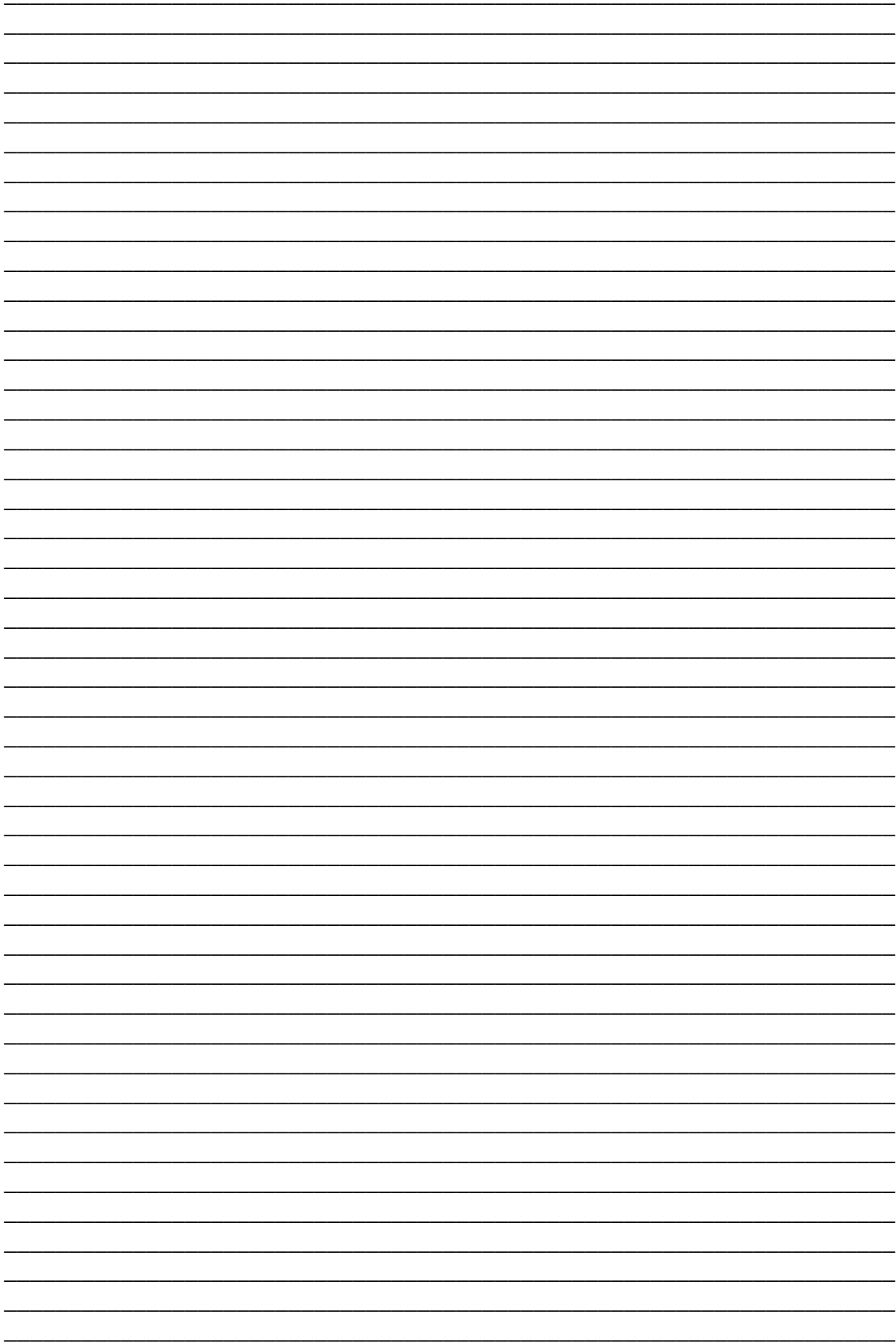


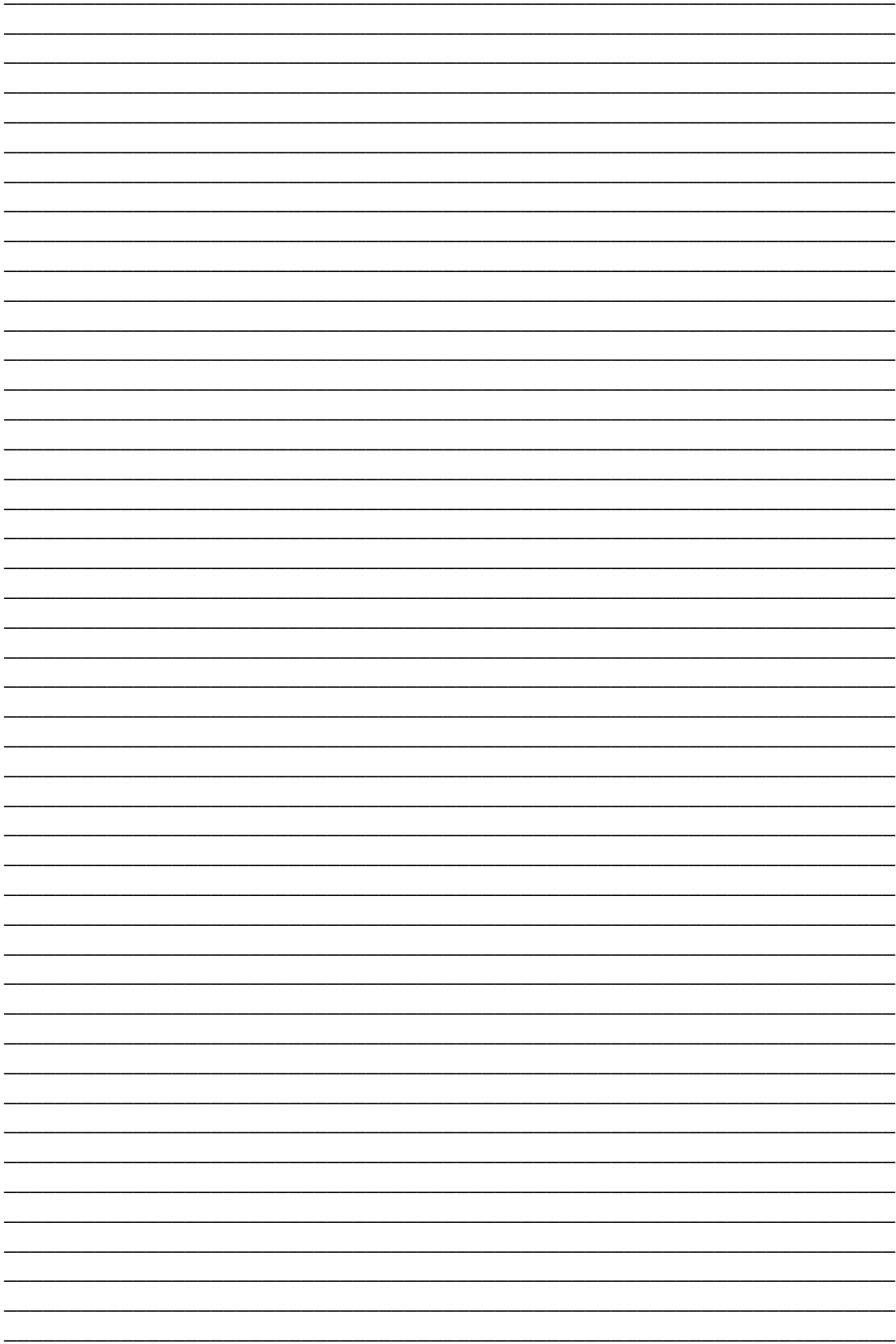












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**Date:** \_\_\_\_\_

**Advisor signature:** \_\_\_\_\_

and do (g).

- g. Make a tabletop display or presentation for your crew, another crew, a Cub or Boy Scout group, or another youth group on communications equipment used in the outdoors with emphasis on how this equipment would help in a wilderness survival situation.

Outline of Presentation:

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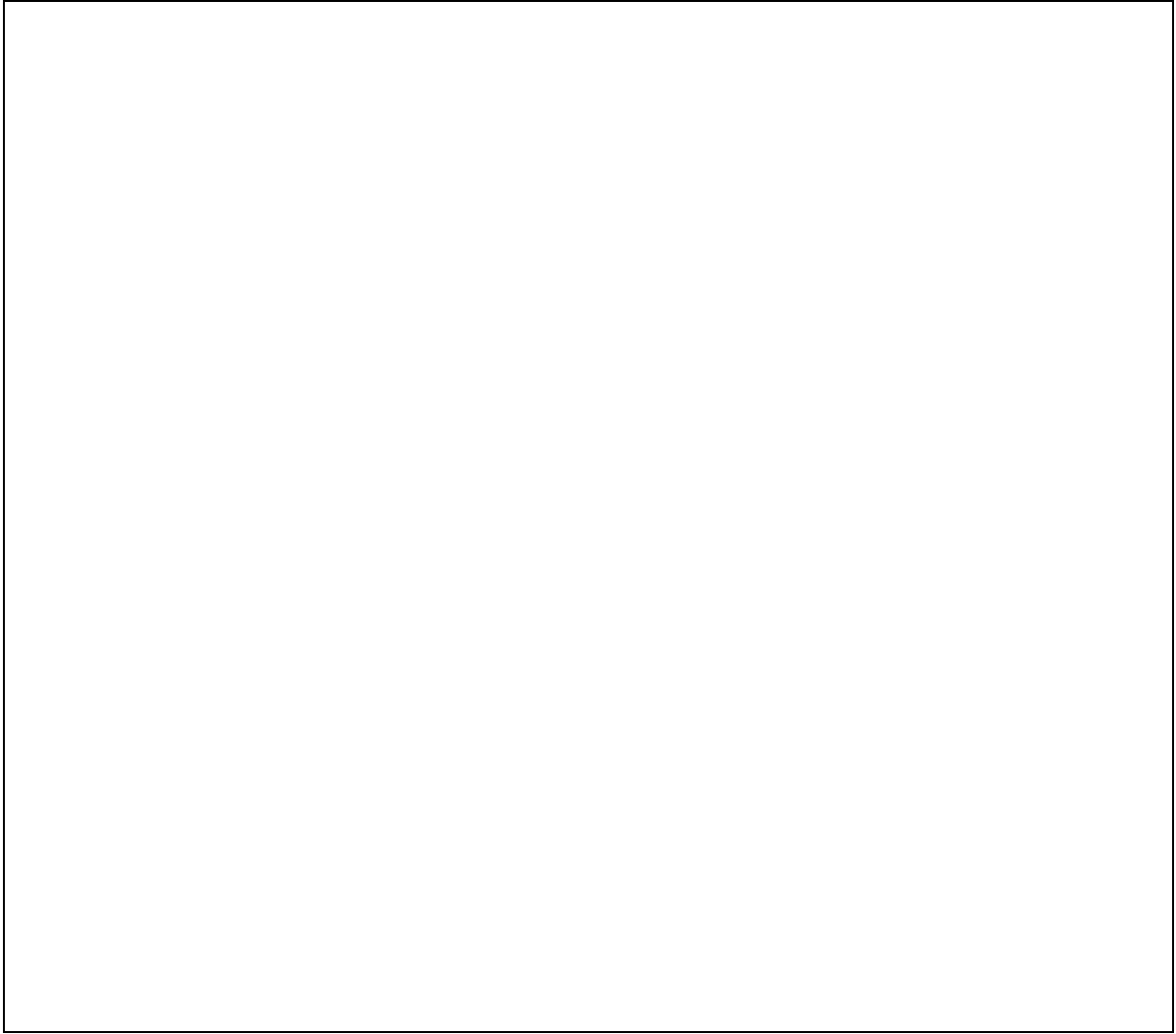
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Or Layout of tabletop display: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

**3. Cooking**

- g. Plan a menu and purchase the food for at least six people for a two night campout with at least three meals.

Name of the Campout: \_\_\_\_\_

Plan a menu: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Cost of food: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- h. On the campout in (a) above, cook the three meals using at least two of the following three methods of cooking: fire/coals, charcoal, stove.

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- i. Demonstrate and explain proper safe food handling methods for outdoor cooking.

Explain proper safe food handling methods for outdoor cooking: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- j. Demonstrate that you can prepare backpacking-type trail food using a backpacking style stove.

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- k. Without using any cooking utensils, prepare a meal with the four basic food groups for three people.

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- l. Cook an entree, a bread, and a dessert in a Dutch oven.

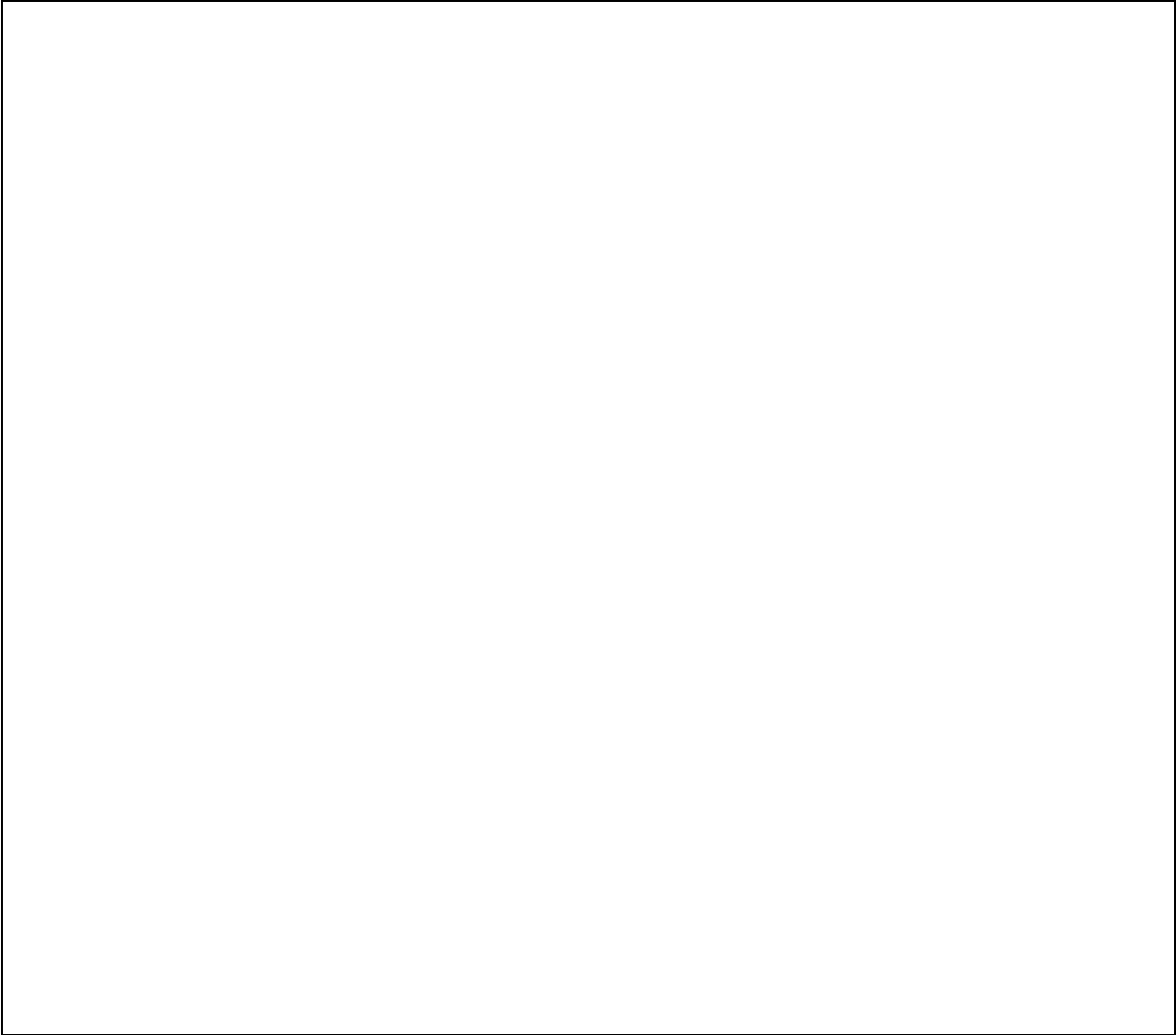
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Date: \_\_\_\_\_

Advisor signature \_\_\_\_\_

a. Build a family emergency kit.

List of items in your family emergency  
kit: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Date: \_\_\_\_\_

Advisor signature \_\_\_\_\_

- b. Make a tabletop display or presentation on what you have learned for your crew, another crew, a Cub or Boy Scout group, or another youth group.

Name of Group: \_\_\_\_\_

Outline of Presentation:

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Or Layout of tabletop display:

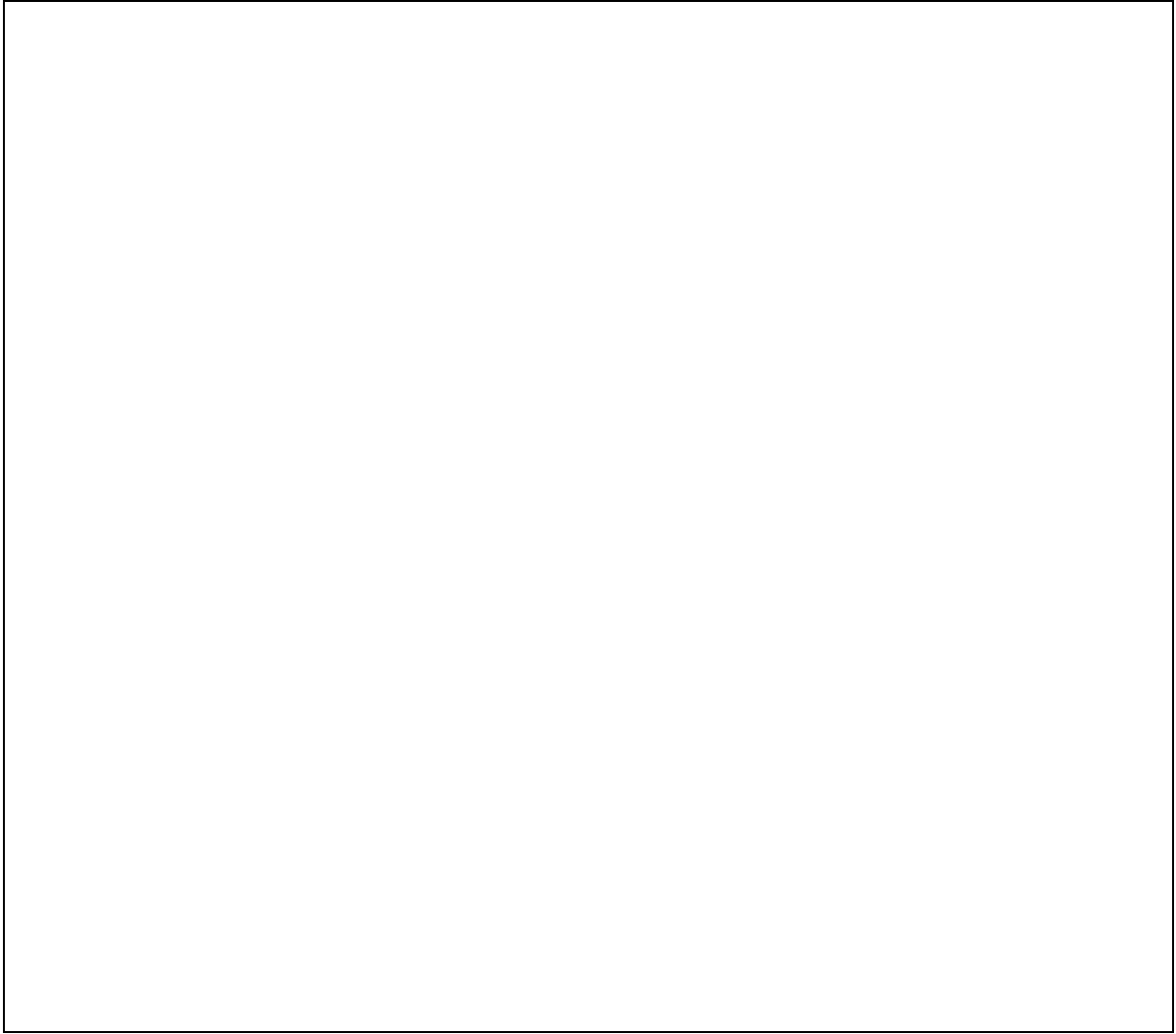
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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

**5. Land Navigation**

- . Using a topographical map for your area or the area you will be navigating in, demonstrate that you know the following map symbols:

Index contour

Checked spot elevation

Vertical control station

Hard-surface, medium-duty road

Hard-surface, heavy-duty road

Marsh

Depression

Bridge

Railroad, single track

Map scale

Ridge

Cemetery

Power transmission line

Intermittent stream

Trail

Campsite

Building

Water well or spring

Stream

Unimproved dirt road

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- a. Explain contour lines. Be able to tell the contour interval for your map and be able to show the difference between a steep and a gentle slope.

Explain contour

lines: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- b. Using a map and compass, navigate an orienteering course that has at least six legs covering at least 2.5 miles.

Location of course: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- c. Learn to use a global positioning system (GPS) receiver. Demonstrate that you can find a fixed coordinate at night using a GPS receiver.

Where did you learn to use a GPS: \_\_\_\_\_

Where did you demonstrate that you can find a fixed coordinate at night using a GPS receiver: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- d. Teach the navigating skills you have learned in (a) through (d) above to your crew, another crew, a Cub or Boy Scout group, or another group.

Group name: \_\_\_\_\_

Outline of Presentation:

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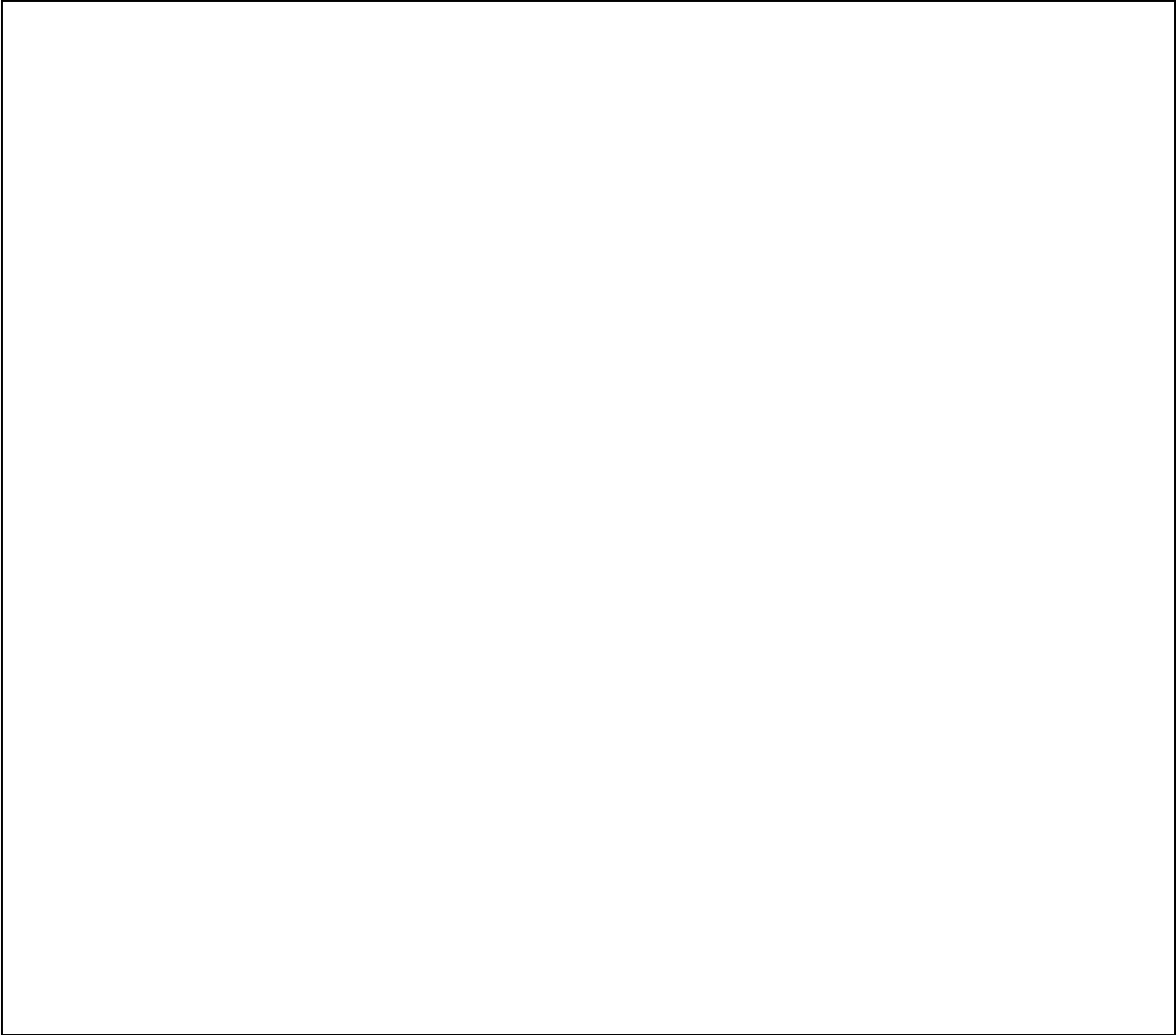
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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

**6. Leave No Trace**

- Recite and explain the principles of [Leave No Trace](#).

Explain the principles of Leave no  
trace: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Date:\_\_\_\_\_

Advisor Signature:\_\_\_\_\_

- a. Participate in three separate camping/backpacking trips demonstrating that you know and use Leave No Trace principles.

Name of Backpacking Trip:\_\_\_\_\_

Name of Backpacking Trip:\_\_\_\_\_

Name of Backpacking Trip:\_\_\_\_\_

- b. Make a tabletop display or presentation on the Leave No Trace principles and how they affect the environment and attitude of campers for your crew, another crew, a Cub or Boy Scout group, or another group.



Name of Group: \_\_\_\_\_

Outline of Presentation:

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Or Layout of tabletop  
display: \_\_\_\_\_

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Date: \_\_\_\_\_

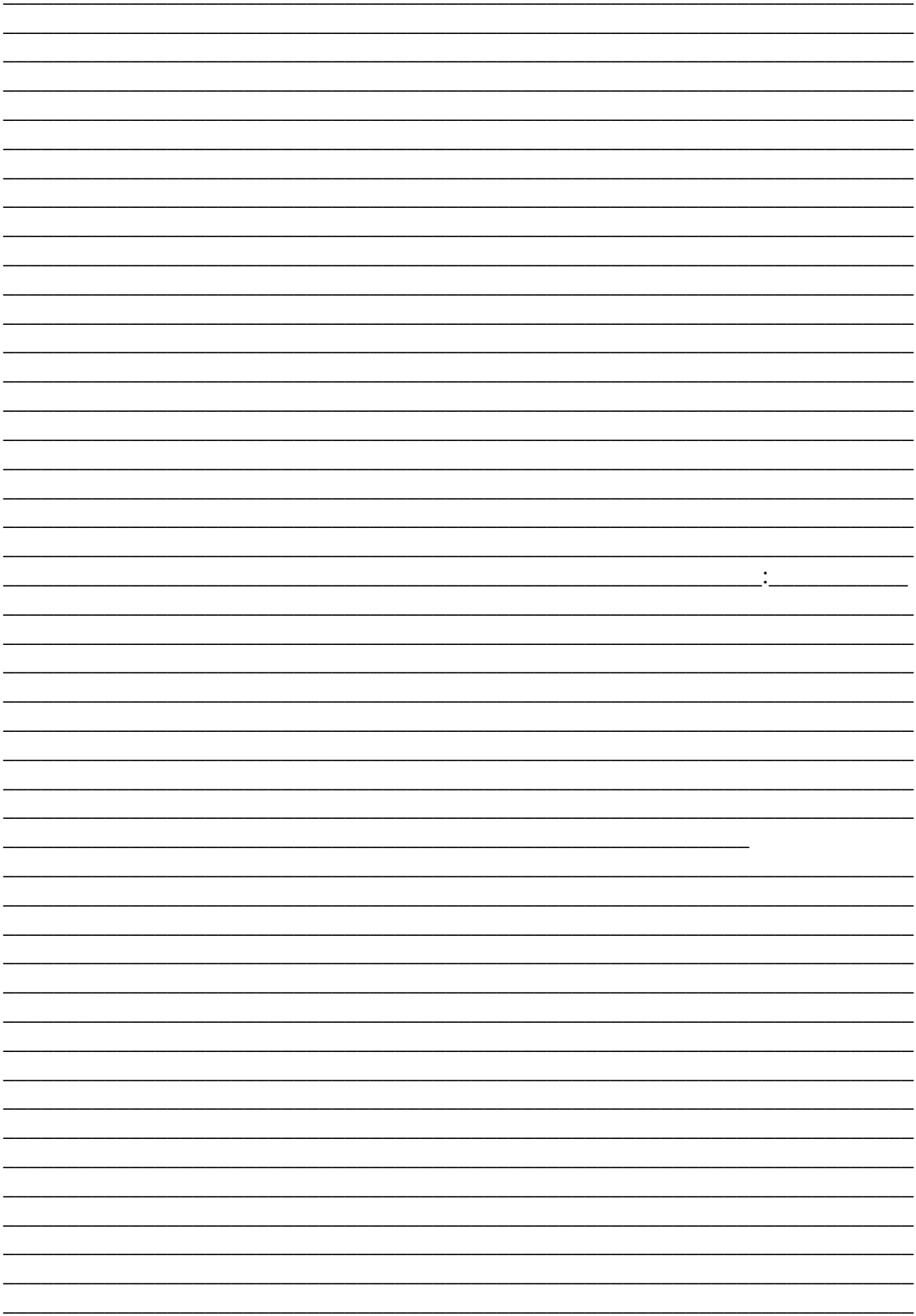
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**7. Wilderness Survival**

(Before you begin wilderness survival, you must have completed the cooking, land navigation, and first aid core requirements.)

- . Write a risk management plan for an upcoming crew high adventure activity such as a whitewater canoeing or rockclimbing trip. The plan should include nutrition, health, first aid, supervision, insurance, safety rules and regulations, proper equipment, maps and compass, in-service training, environmental considerations, emergency and evacuation procedures, and emergency contacts.









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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- a. From memory, list the survival priorities and explain your use of each in a survival situation.

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- b. Learn about and then make a tabletop display or presentation for your crew, another crew, a Cub or Boy Scout group, or another youth group on the following subjects:
  - 1. Emergency signals used in the outdoors
  - 2. Search and rescue patterns
  - 3. Evacuation procedures and value of when to move and when not to move in a wilderness emergency

Outline of Presentation:

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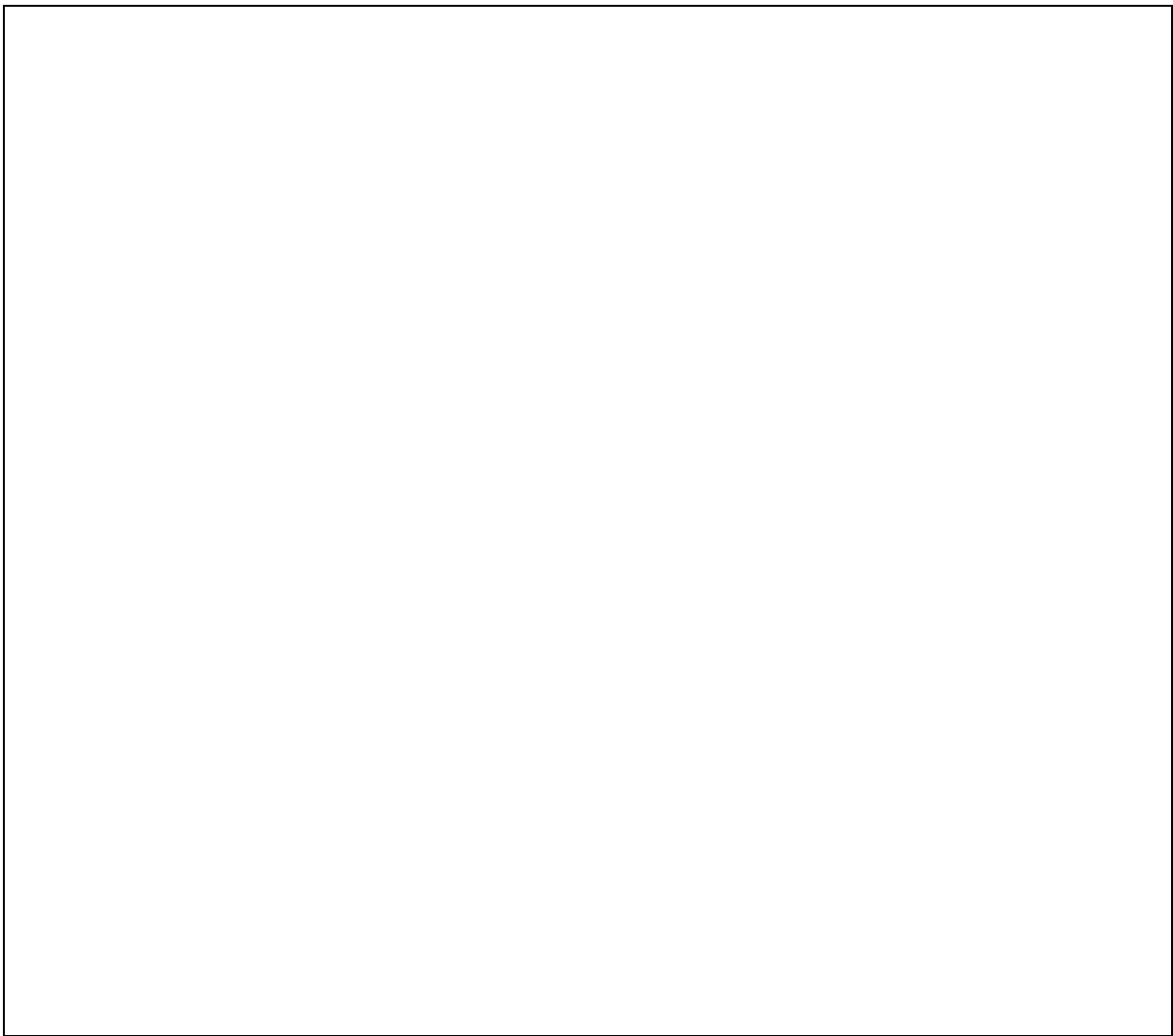
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display: \_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_



c. Explain the following environmental exposure problems. Discuss what causes them, signs and symptoms, and treatment.

0. Hypothermia
1. Frostbite
2. Sunburn
3. Heat exhaustion
4. Heat cramps
5. Heat stroke

Hypothermia: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Heatstroke: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Heat  
exhaustion: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Frostbite: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sunburn: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- d.
0. Explain dehydration and the necessity of conserving fluids in a survival situation.

Dehydration: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

1. Explain at least four methods of obtaining water in the outdoors and demonstrate at least two ways to purify that water.

Explain at least four methods of obtaining water in the outdoors: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Demonstrate two ways to purify that water: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Location that you purified the water: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- e.
  - 0. Demonstrate at least two different fire lays-one for cooking and one for warmth.

Location of fire building: \_\_\_\_\_

Cooking fire: \_\_\_\_\_

Warmth fire: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- 1. Learn and discuss the use of fire starters, tinder, kindling, softwoods, and hardwoods in fire making.

The use of Fire starters: \_\_\_\_\_  
\_\_\_\_\_

Tinder: \_\_\_\_\_  
\_\_\_\_\_

Kindling: \_\_\_\_\_  
\_\_\_\_\_

Softwoods: \_\_\_\_\_  
\_\_\_\_\_

Hardwoods: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- f. Explain and demonstrate how you can gain knowledge of weather patterns using VHF band radio and other radios, winds, barometric pressure, air masses and their movements, clouds, and other indicators.

Explain how you can gain knowledge of weather patterns using VHF band radio and other radios, winds, barometric pressure, air masses and their movements, clouds, and other indicators.

VHF band radio and other  
radios: \_\_\_\_\_

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Winds: \_\_\_\_\_

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Barometric  
pressure: \_\_\_\_\_

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Air masses and their  
movements: \_\_\_\_\_

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Clouds: \_\_\_\_\_

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Other indicators: \_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- g.
  - 0. Explain the different rope materials and thicknesses that are best for wilderness use and how to care for them.

Explain the different rope materials that are best for wilderness use: \_\_\_\_\_

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Thickness of rope that are best for wilderness use: \_\_\_\_\_

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How to care for them: \_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

1. Know the use of and demonstrate how to tie the following knots and lashings:
  - a. Sheet bend
  - b. Fisherman's knot
  - c. Bowline
  - d. Bowline on a bight
  - e. Two half hitches
  - f. Clove hitch
  - g. Timber hitch
  - h. Taut-line hitch
  - i. Square lashing
  - j. Shear lashing

Demonstrate how to tie the above knots and lashings:

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

Know the use of:

Sheet bend: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Fisherman's knot: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bowline: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bowline on a  
bight: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Two half  
hitches: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Clove  
hitch: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Timber  
hitch: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Taut-line  
hitch: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Square  
lashing: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Shear  
lashing: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- h.
0. Explain the usefulness and drawbacks of obtaining food in the wilderness, including things to avoid.

Explain the Usefulness of obtaining food in the wilderness: \_\_\_\_\_

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Explain the Drawbacks of obtaining food in the wilderness: \_\_\_\_\_

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Things to avoid: \_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_



1. Prepare and eat at least one meal with food you have found in the outdoors.

List of food that you found in the outdoors: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

2. Make a list of items you would include in a wilderness survival kit and then make copies to hand out to visitors to your wilderness survival outpost camp.

Make a list of items you would include in a wilderness survival kit: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

3. Using your list, make a wilderness survival kit. Explain the use of each item you have included.

Explain the use of each item you have included: \_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

- i.
  0. Set up a wilderness survival outpost camp and spend at least two nights and two days in your site.

Location of your survival outpost  
camp: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

1. Use and demonstrate several knots and lashings from requirement (h) in your wilderness survival campsite demonstration.

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

2. Know how to plan a wilderness shelter for three different environments and then build a shelter as part of your wilderness survival campsite demonstration.

Know how to plan a wilderness shelter for:

Environment #1 \_\_\_\_\_

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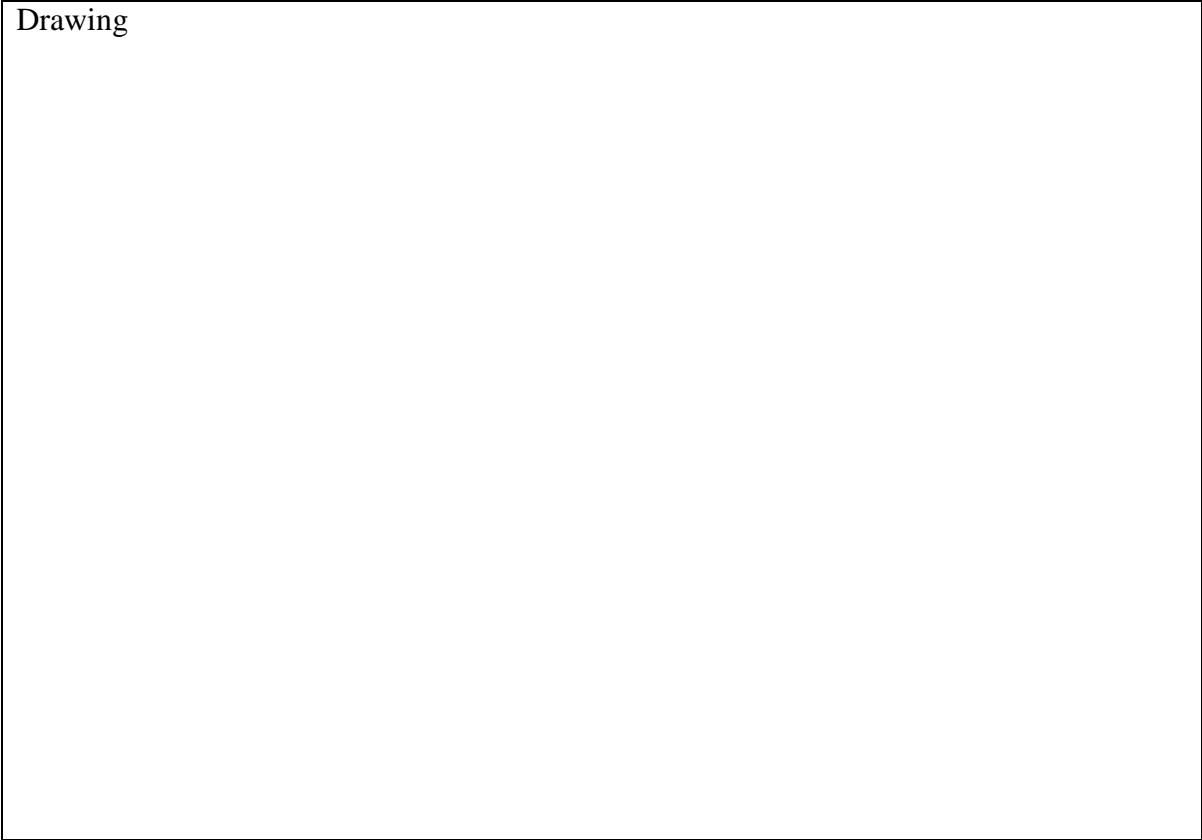
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Drawing



Environment #2 \_\_\_\_\_

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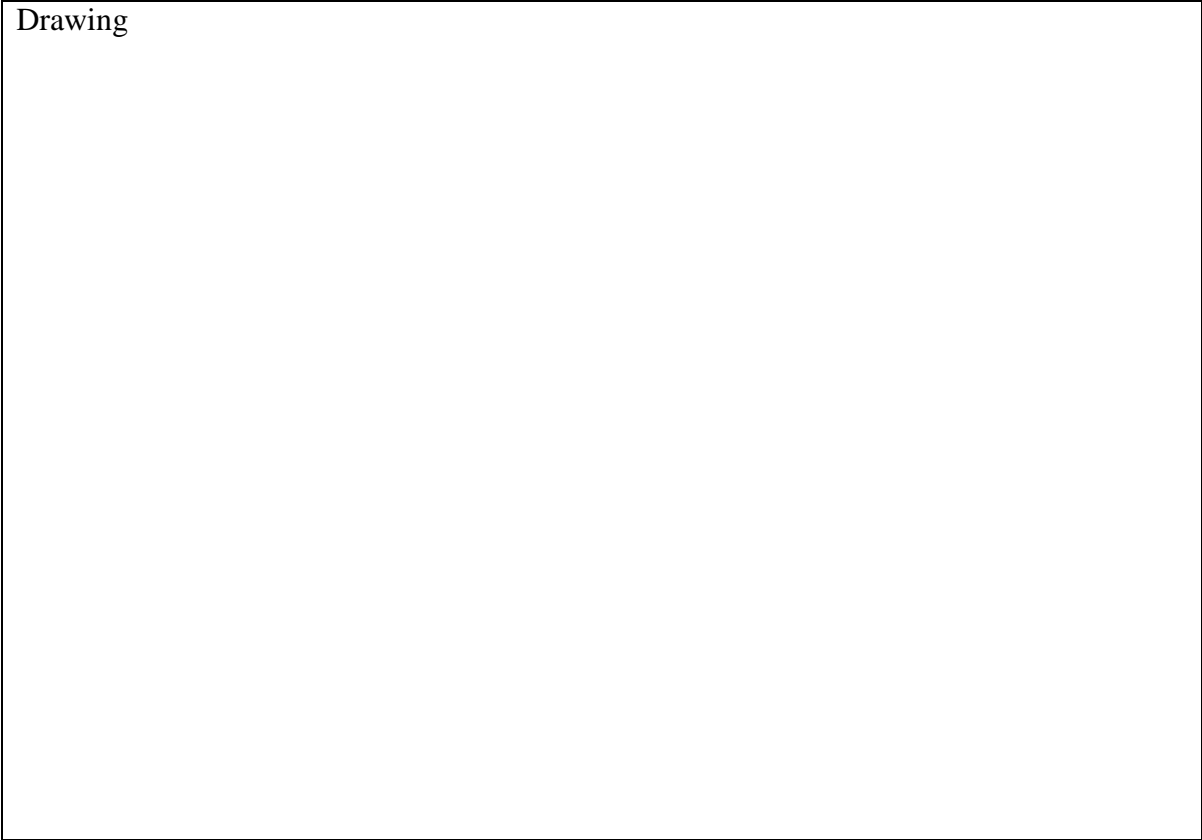
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Drawing



Environment #3 \_\_\_\_\_

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Drawing



Which kind will you build for your demonstration: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

3. Have your crew, another crew, a Cub or Boy Scout group, or another youth group visit you in your outpost for a presentation you make on wilderness survival (at least one hour).

Group Name: \_\_\_\_\_

Outline of  
Presentation:

\_\_\_\_\_

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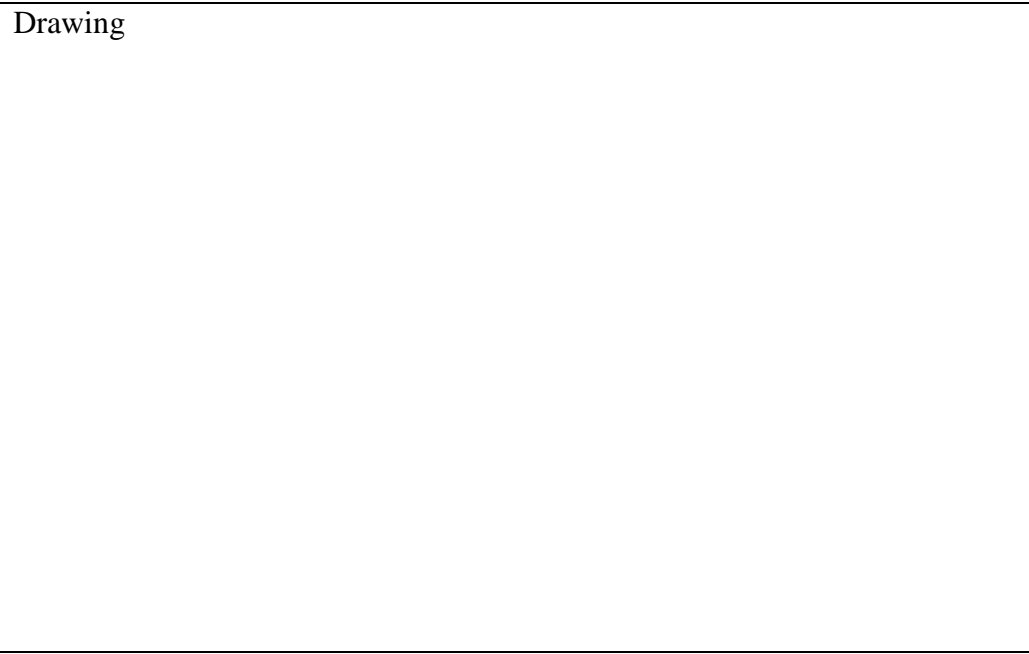
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Date: \_\_\_\_\_









Or Layout of Tabletop  
display: \_\_\_\_\_

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Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_