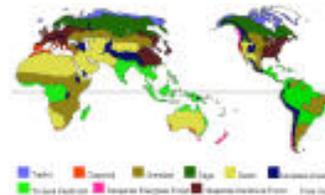


Name _____ Name _____

Biome Survival Activity



Plane Crash Incident Report:

Your small plane crashed in your biome approximately 150 kilometers from the nearest town. The pilot was killed in the crash, but you and one other passenger survived. It is January and temperature is average for that area during that time of year. The plane is completely wrecked, but the following items are scattered around the crash site:

- | | |
|--------------------------------|---------------------------------|
| ☼ compass | ☼ 7 newspapers |
| ☼ a small amount of steel wool | ☼ hatchet |
| ☼ map of the area | ☼ pistol with 10 bullets |
| ☼ can of vegetable oil | ☼ 6 chocolate bars |
| ☼ 6 m x 6 m tarp | ☼ 4 shirts and 4 pairs of pants |
| ☼ 1 cigarette lighter | ☼ 1 quart of rubbing alcohol |
| ☼ 1 gallon of drinkable water | |

Group Task: Your CRASH SITE (Biome): _____

1. First, decide where you landed and what the area is like. Answer the first part questions
2. List **all of** the available items in your biome and from the plane below. This is a comprehensive list – the more the better. The more detail you provide the better. You are trying to survive so the more things you can figure a use for the better. A few things are not available:
 - A. The cabin of the plane – it was destroyed
 - B. Leaving the area – don't ask why; it's just a rule
 - C. Someone "not" surviving – everyone makes it in this game
3. Next, Your group should pick the 5 items from the plane crash that you want to recover to help you survive. Be sure to consider natural resources, biotic and abiotic, available in your particular biome when selecting these items.
List items here:

Explain and Justify WHY you chose these 5 items:

Part 1. Characteristics of your biome: Using your books and biomes charts to consider the questions below.

- a. What is the average temperature in your biome during the month of January? What season would that be

Part 2. How to use the compass. *Describe your group's day to day plan for survival at the crash site, be specific enough to demonstrate that you understand the resources available at your biome.*

Part 3. Geocaching:

Measure my pace

Find the average

The pace is x amount of inches

Practice walking this pace

Starting point is marked with an X

The X represents where your campsite is

RULE : you must start at your campsite to look for each of your items.

You cannot talk to any other group about items as your group is the only group in your Biome,

However you can ask the teacher for help.

First find your first item on your list of items

Set your Heading

Pace the distance and then collect item

Bring item back to campsite

Set out and collect each of the last 4 items individually

Part 3. Conclusion Questions:

1. What is the most difficult situation to overcome in your biome?
2. If you were to have crashed in another biome, would that have changed your recovered items ? Why or why not?
3. Which land based biome do you feel would be the most difficult of all the biomes to survive in? Why?
4. Which land based biome do you feel would be the easiest of all the biomes to survive in? Why?
5. What did you find most difficult about geocaching? What did you find easiest?
6. How could you relate this activity to your lives?
7. How might scientists use geocaching?