



ANSWER KEY

Exercise: 1

Instructions: Answer the questions below.

1. What is the most common amount of precipitation in Northern Idaho?

Using the layers on the map, 20-30 inches of rainfall is the most common amount of precipitation in northern Idaho.

2. What is the most common amount of precipitation in Southern Idaho?

0-20 inches of rain is the most common amount of rain in southern Idaho.

3. What, would you estimate is the average precipitation for the state of Idaho?

Averages can vary but should be near 30-35 inches of rain.

4. Where in Idaho does the most rain fall?

The highest amount of rainfall is observed in the north in the panhandle area.

5. List four types of precipitation.

Four types of precipitation are rain, snow, hail, and sleet.

6. What is the term for *liquid* water droplets that exist in clouds at below freezing temperatures?

Liquid water below freezing temperature is called supercooled water.

7. When precipitation begins to fall, what state of matter is it usually in? (Solid, Liquid, or Gas)

When precipitation begins to fall it is usually frozen.

8. Define *rain*.- Rain is liquid drop precipitation with a diameter of at least .5 mm.

9. Define *snow*.- Snow consists of frozen ice crystals falling to the ground.

10. Define *flurries*.- Flurries are brief snow showers from Cumuliform clouds.

11. Define *sleet* and *frozen rain*.- Sleet is melted snow that re-freezes into ice. Frozen rain is rain that super-cools and freezes on contact with the ground.

12. About what percent of Idaho's yearly precipitation is snow?

About 80% of Idaho's precipitation is snow.

13. Where was the highest yearly precipitation ever recorded in Idaho? How much rain fell?

The highest amount of precipitation recorded in Idaho was on Deadwood Summit; 98.6 inches was recorded.