8-1 Test Questions

Group 5

3.1&3.2

1. What is Air Mass? What is a low- pressure system?

Large weather system that surrounds a center of low pressure

2) What are 3 things that a Low-Pressure System develops in the BOUNDARY between warm air mass and cold air mass.

* Part of the boundary between the air masses moves south and becomes a cold front
* Part of the boundary moves north and becomes a warm front
* A center of low- pressure forms where the ends of the two front meet.

3) What is a Hurricane? How does it affect society?

\_ tropical low pressure system with winds blowing at speeds of 120 kilometers

4) What are 3 different types of storms? What is another name for an Ice Storm?

\_ When rain falls onto freezing-cold ground, freezing rain.

1. The three steps of a water cycle? What are the other 2 types of cycles?

Answers: First water evaporates from bodies of water.

Second water vapor condenses to form clouds.

Third water falls on Earth’s surface as precipitation.

1. What are the 3 main types of clouds and their characteristics?

Answers: cirrus, cumulus, stratus. Explain!

1. What is Precipitation and what are 5 types of precipitations?

Answers: rain and drizzle, sleet, hail, freezing rain, snow.

1. What is acid rain and what does acid rain harms?

It harm’s trees and Raises the acidity of lakes.

1. What are air molecules? What is humidity?
2. What is density and how does it have to do with altitude?
3. When air moleculse move what will happen?
4. What is air pressure? What happens when you travel higher?
5. **What are the 2 main things that happen to sunlight when it reaches earth?**

**-**The 2 main things that happen to sunlight when it reaches earth is that it gets reflected, or sent in a need direction.

1. **What are the main gases in the atmosphere? Describe the amount of gases in the atmosphere.**

**-**78% of air is nitrogen 21% is oxygen 1% are other gases.

1. **What does Radiation do? Where does most of it come from?**

**-**Radiation makes energy travels across certain types of waves.

1. **The air becomes thicker as they go higher in altitude. How do you measure the thickness of the atmosphere?**

**-**You measure the thickness of the atmosphere by density.

1. **What is a storm? What are 4 types of storms?**

Answer: A storm is a violent disturbance of the atmosphere with strong winds and usually rain, thunder, lightning, or snow.

1. **What is a tornado? How does it form?**

Answer: A tornado is a violently rotating column of air stretching from a cloud to the surface of earth.

1. **Why are thunderstorms dangerous? What are 2 effects?**

Answer: Thunderstorms are dangerous because they have many bad effects such as: hail, lightning, flash floods, and winds.

1. **What are seasons? What are the types?**

Seasons are periods of a year with different weather conditions.

**What is the greenhouse effect and why is it so important?**

**What are all the greenhouse gases and how do they get into the atmosphere?**

**What are the two types of radiation and describe them?**

**Describe the ozone layer and how does it work?**

**How does the ozone layer protect earth?**