



Exercise: 1

Instructions: This exercise consists of an overview of some basic concepts in climatology. This activity can serve as an introduction or a review of what we know about climate. Be sure to click on the links to see the pictures to get a better understanding of this subject.

1. Draw and label the symbols for the different types of fronts and kinds of precipitation.
2. Make a diagram of the rain shadow effect.
3. What is the difference between weather and climate?
4. How many different air masses converge at an occluded front?
5. What do you think happens when a moist, warm front meets a cold, dry front?
6. What is the jet stream and how does it affect the climate in Idaho?
7. Draw a picture of the earth and label the layers of the atmosphere. Which layer contains most of the mass of the air on earth? Which layer is the thickest?
8. What 4 gases make up most of the lower layers of the atmosphere?