

Name _____

Period _____

Science 8 Final Exam Review Sheet

Scientific Method/Metric Measurement

What are the basic (SI) units for the following types of measurements?

Length - _____

Volume - _____

Mass - _____

What are the three forms of matter?

1. _____

2. _____

3. _____

What is the freezing point of water? _____

What is the boiling point of water? _____

Draw what the phase changes of water graph looks like below. Label the boiling point temperature, freezing point temperature, and the phases.

Weather and Climate



Draw a picture and explain the reason for the seasons.

Atmosphere

What gases are present in the atmosphere?

Where does weather occur? _____

What is the importance of the atmosphere? _____

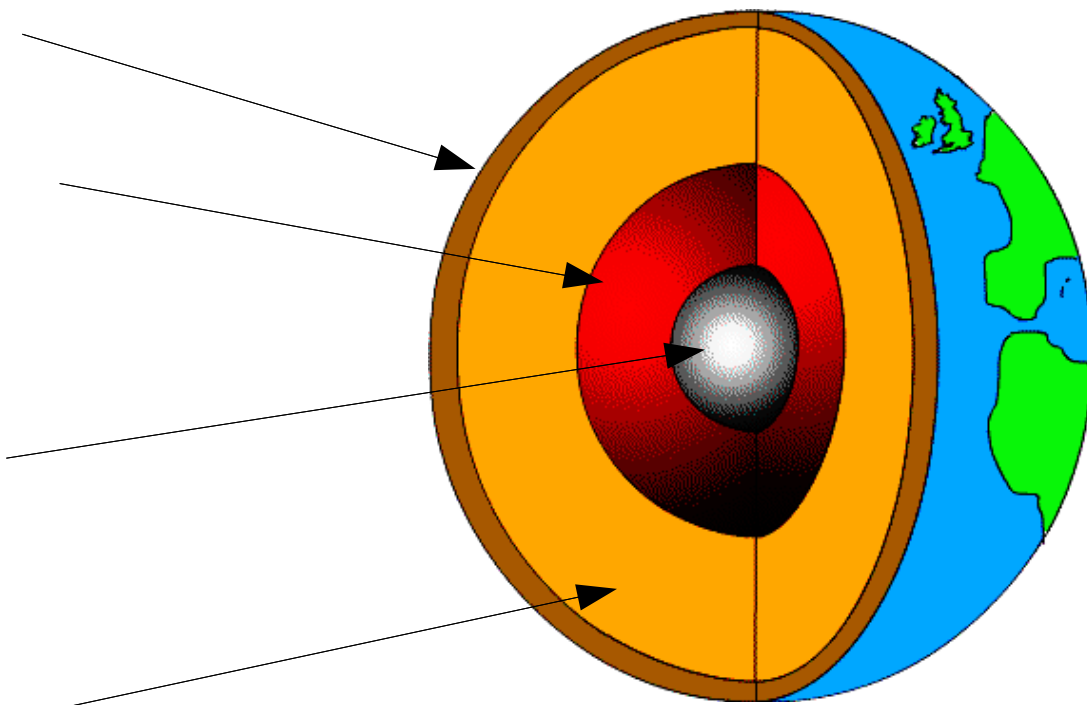
What happens to air pressure as altitude increases?

What is a front?

What happens when fronts meet?

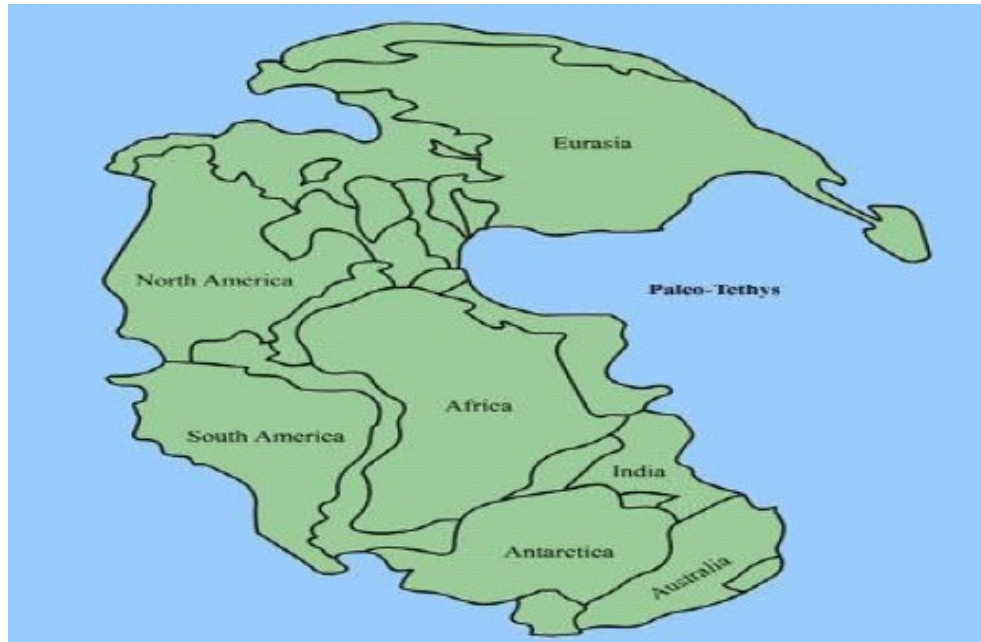
The Earth

Label the layers of the Earth



What is the core of the Earth made of?

What is the diagram below a picture of? _____



What evidence is there to support Pangaea's existence?

What is sea-floor spreading? _____

What is subduction? _____

What causes the plates to move? _____

What causes earthquakes?_____

What is the difference between the Richter Scale and the Mercalli Scale for earthquakes?_____

What should you do if an earthquake strikes?_____

What is the difference between a P and S wave?

Rocks and Minerals

What are some properties used to determine the type mineral?

1. _____
2. _____
3. _____
4. _____
5. _____

How do metamorphic rocks form?

How does a sedimentary rock form?

How does an igneous rock form?

How does where a rock forms affect its crystal size?

Motion, Forces & Acceleration

What is the formula used to find force? _____

How can you increase a force on an object? _____

What happens to the force if you increase acceleration? _____

Draw an example of an unbalanced force.

Draw an example of a balanced force.

Sound and Light (Waves)

Draw and label a wave with the following information included:
peak (crest), trough, amplitude, wavelength

Does sound travel in a vacuum? _____

What is the visible spectrum? _____

How do you get to see all of the colors of the visible spectrum?

Mrs. Caro's shirt is green. What color(s) are reflecting to your eyes to make it appear that way? _____

Electricity and Magnetism

Draw a bar magnet and its magnetic field

Environmental Science

Draw and describe a food web for a fox.