

Science 7 Earth's Systems Test OUTLINE Solutions

Terms to study for matching or multiple choice

Ecologist – is a person who studies the interaction between organisms.

Community – is a collection of different populations that live together in a defined area.

Species - A group of organisms that can breed together to produce an offspring.

Organism – a single living thing

Biosphere- all the living things on earth (Animals, plants)

Hydrosphere- all the water on earth. (Rivers, lake oceans)

Geosphere – all the rock & land on earth (mountains & deserts are a part of this)

Weathering- Sediment comes from larger rocks that have broken down or worn.

Frost wedging - Water seeps into rocks and freezes then expands in cracks of rocks and causes rocks to break.

Erosion – moving soil from one place to another.

Run off - An excess water that flows OVER the land surface instead of being absorbed into the groundwater.

Deposition – change from gas to solid without liquid state

Sublimation – change directly from solid to gas without liquid state

Condensation- gas to liquid

Evaporation- liquid to gas

Infiltration- is the downward movement of water through TOPMOST soil layer due to gravity

Percolation - is the downward movement of water through lower soil layers due to gravity and gaps in soil

Transpiration- is the evaporation of water from plants

Salinity- The amount of salts dissolved in a liquid

Biotic – Living Factors such as plants & animals

Tsunami – A large wave that is usually caused by an under water earthquake

Know following about the rock cycle:

- a) **cementing & compacting causes sedimentary rock**
- b) Adding pressure & Heat to sedimentary rock forms metamorphic rock
- c) **Magma is another name for lava and is what happens when metamorphic rock melts.**

What is a Swell related to waves? Steady movement of smooth waves near the shore.

The 5 layers of Atmosphere will be provided but you have to know 1 point about each layer.

- 1) Troposphere- all weather is in this region and most dense
- 2) Stratosphere -ozone layer. Airplanes fly in this layer to avoid turbulence.
- 3) Mesosphere. Coldest layer.
- 4) Thermosphere- Northern lights and satellites occur in this layer. Warmest layer
- 5) Exosphere- air is very thin.

Name the top 2 places where fresh water can be found on earth.

Glaciers , & Under ground

Reasons for the seasons is the earth's tilt and revolution.

Earth's rotational period is 24 hours (1 day)

14 matching

9 Multiple Choice

4 Short response