

## 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.

**What causes waves to form in the ocean?** WIND

**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 hours (1 day)

14 matching

9 Multiple Choice

4 Short response