

Quiz 1

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Short Answers: Fill in the blank with the correct word, phrase or definition.
(1 mark each)

1) What is meant by the earth's "energy budget?" _____

2) Finish this sentence. "Wind is simply the movement of air from ... _____

3) Finish this sentence. "The main job of ocean currents is to ... _____

4) Precipitation is formed when _____

5) The difference between climate and weather is _____

6) There are 7 climate controls (factors that affect climate) that we looked at in class. Name and explain how 3 of them affect climate around the world.

a) _____

b) _____

c) _____

7) Define 2 out of these 4 hydrosphere terms:

- condensation
- evaporation
- sublimation
- evapotranspiration

a) _____

b) _____

8) Name the 5 layers of the earth *from the surface to centre of the planet*.

- _____
- _____
- _____
- _____
- _____

9) There are 3 states of rock: igneous, sedimentary and _____.

Any of the 3 states of rock can become sediments through the process of _____
_____. For igneous or metamorphic rock to become magma, it must undergo this process: _____. We have already mentioned 2 out of the 5 processes involved in the rock cycle. The other 3 are: _____, _____ and _____.

10) Define these terms:

- a) photosynthesis _____

- b) ecosystem _____

- c) eutrophication _____

Longer Answers: Pick 2 topics from the list of 4 choices below and answer the question.
(3 marks each)

- Name the 5 layers of the atmosphere and explain how the temperature changes as you travel through them starting at the earth's surface.
- Explain what El Niño and La Niña are and explain their basic effects on weather.
- How did Alfred Wegener try to prove his theory of plate tectonics?
- What does the Gaia hypothesis say? How is it being proven and what is the opposition to it.

1) _____

2) _____

