

Blackline Master Quiz 1A for *Glaciers and Ice Caps – The Melting*

Circle the correct answer. (There maybe more than one)

1. The Earth's world of snow and ice is known as the
 - a. Stratosphere
 - b. Aquasphere
 - c. Cryosphere
 - d. Pleistocene Age
2. In the 21st century glaciers and sea ice are increasing because the Earth is growing colder.
 - a. True
 - b. False
3. The Arctic is sensitive to climate change because
 - a. It is closer to the sun
 - b. It has more landmass than the equator
 - c. There are fewer humans living there
 - d. It takes only a few degrees of temperature rise to change snow and ice to a liquid state
4. Pick the continents that are in the arctic
 - a. Africa
 - b. North America
 - c. South America
 - d. Micronesia
 - e. Asia
 - f. Europe
5. Most of the world's fresh water is contained in the
 - a. Antarctic
 - b. Arctic sea ice
 - c. Greenland
 - d. None of the above
6. Present day climate change that has been dubbed global warming began with the burning of fossil fuels.
 - a. True
 - b. False
7. The greatest area of warming on planet Earth in the last 100 years has been in
 - a. The Amazon rainforest
 - b. Africa
 - c. The Arctic
 - d. All of the above

8. The Arctic's polar ice cap is made from sea ice.
 - a. True
 - b. False

9. When sea ice melts, it raises the sea level.
 - a. True
 - b. False

10. Permafrost is
 - a. Another word for sea ice
 - b. The technical name for Greenland's Ice sheet
 - c. Organic rich soil that has been frozen
 - d. None of the above

11. When T-Rexes roamed the Earth
 - a. The planet was ice free
 - b. Temperatures varied little from pole to pole
 - c. CO₂ levels were very low
 - d. The Great Plains were covered by water

12. Glaciers are made from
 - a. Falling ice
 - b. Frozen sea water
 - c. Compressed snow
 - d. All of the above