

**Vasquez High School -- Earth Science B -- Test #5 -- Chapter 21 -- 60 points**

Write TRUE if the statement is true OR write the word(s) that substitutes for the underlined word(s) that would make it true. Writing false only earns partial credit. Three points each.

- \_\_\_\_\_ 1) Topography can affect the climate of an area.
- \_\_\_\_\_ 2) The melting of the polar ice caps is one possible consequence of climate change.
- \_\_\_\_\_ 3) The majority of Russia's climate is tropical.
- \_\_\_\_\_ 4) Icecaps and tundras absorb the sun's heat better than any other climate zone.
- \_\_\_\_\_ 5) The climate we have in most of southern California is called Mediterranean.

Short Answer/Fill-in. Be specific in your answers. Be neat and complete. Three points each.

- 6) \_\_\_\_\_ is the widespread removal of trees.
- 7) What is climate? \_\_\_\_\_  
\_\_\_\_\_.
- 8) Name any three of the theories that explain the natural climate change: \_\_\_\_\_,  
\_\_\_\_\_, and \_\_\_\_\_.
- 9) Name any one of the two or three places that scientists have looked to find evidence for ancient climate change: \_\_\_\_\_.
- 10) The way the Earth manages the energy it receives from the sun is called its \_\_\_\_\_.
- 11) For five points, name five of the six ways we use to describe the climate in any particular area:  
\_\_\_\_\_  
\_\_\_\_\_
- 12) Why is the widespread cutting down of trees unwise? (give at least three reasons - five points)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Multiple Choice - Write the letter in the blank that best answers each example. Three points.

\_\_\_\_\_ 13) Which one of these does NOT affect the climate?

- a) volcanoes
- b) elevation
- c) migrating animals
- d) tectonics plate movement

\_\_\_\_\_ 14) In 1972, a scientist discovered that chemicals from hair spray cans and paint cans harmed the environment by releasing chlorofluorocarbons into the atmosphere. This had the effect of

- a) effectively destroying a great part of the ozone layer.
- b) increasing carbon dioxide emissions causing global warming.
- c) adding harmful mutations to the human gene pool.
- d) decreasing the gravity on the surface of the Earth.

\_\_\_\_\_ 15) Unregulated factory production has released all of these into the atmosphere EXCEPT

- a) nitrogen oxides
- b) sulfur oxides
- c) prevailing winds
- d) smoke pollution

\_\_\_\_\_ 16) The climate in mountain ranges like the Rockies or the Himalayas is called a \_\_\_\_\_ climate.

- a) mid-latitude
- b) desert
- c) highland
- d) polar

\_\_\_\_\_ 17) Which of these releases thousands of tons of carbon dioxide and other gases into the atmosphere thereby causing acid rain and other harmful effects?

- a) rainforests
- b) volcanoes
- c) sunspots
- d) polar icecaps

18) Short Essay -- three or four sentences -- Describe why coastal regions have more temperate climates than inland regions normally do. Five points. \_\_\_\_\_

---

---

---

---

---

EXTRA CREDIT -- Two points each -- guessing is okay.

19) What was the last name of the scientist mentioned in #14 above? \_\_\_\_\_

20) What is the actual climate zone name for the Antelope Valley? \_\_\_\_\_

21) Your book mentions the ITCZ. What is that? \_\_\_\_\_

22) The period of Earth's precession (wobbling on its axis) is about \_\_\_\_\_ years.