UNIT TEST- Mālama I Ka ‘Āina: Sustainability

DIRECTIONS:
Read each question carefully, then write the letter of the correct answer in the blank beside the question. Write your answer in capital letters: A, B, C, D … NOT a, b, c, d. Do NOT circle or underline the correct answer or letter. You may begin.

1. ___ What do researchers at the University of Hawai‘i most want the state of Hawai‘i to do about its forests?
   a) provide more funds to help students protect natural resources of Hawai‘i
   b) start taxing people to pay for things they get for free from the forests of Hawai‘i
   c) have the true value of forests reflected in the cost of managing them
   d) start charging people to enter the state parks of Hawai‘i

2. ___ Ancient Hawaiians believed all things in Hawai‘i were:
   a) Native Hawaiian
   b) born from the Sky and Mother Earth
   c) came from abroad (migrated here)
   d) any one of the above

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3. ___ Solar cells work in the same way a plant works when it transforms sunlight into energy. The word for this is:
   a) photovoltaic
   b) photosynthesis
   c) polysilicon
   d) electricity

4. ___ Which one of the answers below is NOT one of the common uses of solar power today?
   a) school lighting
   b) irrigation systems
   c) car engines
   d) water air filtration systems

5. ___ Long ago, what did ancient Hawaiians believe was the spirit of Hawaii’s most important gods?
   a) the energy of the sun
   b) the energy of the stars
   c) the energy of the moon
   d) the energy of the water

6. ___ The sun is made of hydrogen that is changed to helium when the centers (nuclei) of its atoms hit each other and stick together. What word is used to describe this reaction?
   a) electro-magnetism
   b) fission
   c) fusion
   d) radiation

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7. ____ Over the last 100 years, what has caused so much Hawaiian wildlife to become extinct or endangered?

   a) natural selection caused some animals to adapt, and the others died off
   b) survival of the fittest caused some animals to adapt, and the others became endangered
   c) some Hawaiian animals couldn’t adapt as fast as the humans changed the environment
   d) all of the above

8. ____ Scientists think biodiversity in nature is so important because without it:

   a) nature won’t be as beautiful
   b) there will be fewer scientific discoveries to help the world
   b) Hawaiians won’t be able to keep their culture alive
   d) Hawai’i will look like everywhere else soon

9. ____ What’s the biggest problem we are facing in today’s energy crisis?

   a) the rising price of oil
   b) the rising price of gasoline
   c) the low amount of non-oil energy
   d) the low amount of oil left on Earth

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10. **What’s the problem with switching from oil-based energy to using nuclear energy?**
   - a) nothing, it doesn’t use oil
   - b) the pollution it creates and time needed to make it
   - c) finding big enough areas of land to make it
   - d) the high cost of building and running a nuclear power plant

11. **Non-renewable resources such as oil are called ________ fuels.**
   - a) fossil
   - b) geothermal
   - c) biomass
   - d) hydrogen

12. **Advertisers sell products by making you feel that if you buy their products you will be...**
   - a) more like famous or wealthy people
   - b) more admired by others
   - c) more satisfied
   - d) all of the above

13. **What is it called when companies make a product and it goes out of style the next year?**
   - a) fashion
   - b) fad
   - c) planned obsolescence
   - d) clever marketing

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14. The main point of the “Affluenza” video is ____________.

a) Influenza may be the next deadly disease epidemic

b) Everyone can eventually pay off his/her credit cards

c) Our everyday actions affect the environment and our overall well-being

d) Being affluent bring friends and happiness

15. _____ What message does the video “Affluenza” have for Hawai‘i?

a) We have to change our ways in Hawai‘i because our environment needs lots of special care

b) There are lots of malls and advertisements in Hawai‘i

c) Hawai‘i does not have to worry about the environment as much as the mainland does

a) People in Hawai‘i spend too much money and create too much waste

ESSAY QUESTION (write your answer on back)

As a community activist in your neighborhood, what would you do if you noticed one of these problems (pick one & list the steps you would take to try solve the problem):

_____ POINTS

1. muddy water is flowing through a stream onto a public beach and reef

2. plans are being made to install a wind farm with 1000 large turbines (windmills) on a Hawaiian archeological site nearby

3. an expansion to the local landfill is proposed for your town

4. teenage vandals are setting fires to hillsides near your town