Quizlet

NAME _____

17 Multiple choice questions

A+
100%

1. wave motion in the Earth caused by earthquakes
   a. **CORRECT:** seismic wave
   b. quasar
   c. respiration
   d. red shift

2. a cloud of gas or small particles in outer space
   a. quasar
   b. theory
   c. **CORRECT:** nebula
   d. supernova

3. a proposed explanation made on the basis of limited evidence as a starting point for further investigation
   a. protostar
   b. theory
   c. red shift
   d. **CORRECT:** hypothesis

4. a process in living organisms involving the production of energy, typically with the intake of oxygen and the release of carbon dioxide from the oxidation of complex organic substances
   a. gravity
   b. red shift
   c. **CORRECT:** respiration
   d. radioactivity

5. the idea that the present is the key to the past; that geological processes occurring today have occurred in the same regular manner throughout geological time
   a. radioactivity
   b. **CORRECT:** uniformitarianism
   c. respiration
   d. hypothesis

6. the emission of ionizing radiation or particles caused by the spontaneous disintegration of atomic nuclei
   a. **CORRECT:** radioactivity
   b. respiration
   c. gravity
   d. red shift

7. a proposed explanation for a group of connected observations that has been successfully tested
   a. nebula
   b. quasar
   c. gravity
   d. **CORRECT:** theory

8. the trapping of the sun's warmth in a planet's lower atmosphere, due to the greater transparency of the atmosphere to visible radiation from the sun than to infrared radiation emitted from the planet's surface
   a. respiration
   b. seismic wave
   c. red shift
   d. **CORRECT:** greenhouse effect

9. the production, measurement and interpretation of electromagnetic spectra from either the emissions or absorption of radiant energy
   a. supernova
   b. theory
   c. **CORRECT:** spectroscopy
   d. protostar

10. a theory that new matter is created as the universe is expanding outwards to keep the density of the universe constant
    a. spectroscopy
    b. solar system
    c. **CORRECT:** steady state theory
    d. theory

11. a star that suddenly bursts into very great brilliance as a result of it exploding
    a. theory
    b. nebula
    c. quasar
    d. **CORRECT:** supernova

12. a flattened cloud of gas and dust in space believed to develop into a star
    a. spectroscopy
    b. **CORRECT:** protostar
    c. quasar
    d. gravity

13. the lines in the spectra of galaxies move to longer wavelengths than they found when spectra are produced here on Earth
    a. protostar
    b. **CORRECT:** red shift
    c. respiration
    d. quasar

14. the sun, together with the planets, comets and asteroids that are held by its gravity and orbit around it
    a. **CORRECT:** solar system
    b. spectroscopy
    c. quasar
    d. protostar

15. a name short for quasistellar astronomical object; all have large red shifts, showing they are travelling at very high speeds
    a. protostar
    b. gravity
    c. **CORRECT:** quasar
    d. nebula

16. the distance between two crests (or two troughs) of a wave
    a. gravity
    b. supernova
    c. **CORRECT:** wavelength
    d. theory

17. the force of attraction between two masses
    a. theory
    b. **CORRECT:** gravity
    c. quasar
    d. protostar