Blackline Master Quizzes for *Core Physics: Classical Physics*
Blackline Master 1A Quiz

Circle the correct answer. There may be more than one!

1. Light travels slowly.
    a. True
    b. False

2. Newton's corpuscular theory of light was correct.
    a. True
    b. False

3. Fraunhofer lines can be used to identify
    a. Light colors
    b. Chemicals
    c. Heavenly bodies
    d. All of the above

4. Magnets can be found in nature.
    a. True
    b. False

5. Magnetism occurs as a
    a. Current
    b. Field
    c. Mystery

6. Orstead demonstrated that a compass needle would move as a copper wire moved close to it.
    a. True
    b. False

7. Heat is a form of energy.
    a. True
    b. False

8. A thermometer measures heat.
    a. True
    b. False

9. The first law of thermodynamics states energy
    a. Can be created
    b. Can neither be created or destroyed

c. Can be destroyed

10. The universe is dying.
    a. True
    b. False

11. Electricity can be produced by magnetism.
    a. True
    b. False

12. The important factor in producing electricity from magnetism is
    a. Timing
    b. Movement of a conductor through the magnetic field
    c. Nuclear power

13. Dynamos in modern power plants are a significantly different than the ones invented by Faraday.
    a. True
    b. False

14. When a fire truck approaches, the pitch of the siren
    a. Decreases
    b. Stays the same
    c. Increases

15. Sound occurs as energy.
    a. True
    b. False

16. Redshift means
    a. An object is a moving away from the observer
    b. An object is moving towards the observe

17. The speed of sound is
    a. 500 mph
    b. 750 mph
    c. 1000 mph

18. All electromagnetic radiation travels at the speed of light.
    a. True
    b. False

19. Which these are forms of electromagnetic radiation?
    a. Microwaves
    b. Light
    c. Radio waves

20. Light is made up of electromagnetic radiation.
    a. True
    b. False

21. X-rays are low energy electromagnetic waves.
    a. True
    b. False

22. Which of these are forms of radioactivity?
    a. Alpha particles
    b. X-rays
    c. Cosmic rays
    d. Gamma rays