

# **Middle Grades General Science 5-9**

**Florida Teacher Certification Examination**

**Test Preparation Course**

***Science Matters: Forcing the Issue***

**Video Assessment**

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**DIRECTIONS: Read each item and select the best response.**

**1. A kind of resistance that occurs when two surfaces touch is**

- A. interference.
- B. friction.
- C. heat.
- D. inertia.

**2. Which of the following describes any change in the motion of an object?**

- A. speed
- B. acceleration
- C. momentum
- D. velocity

**3. Calculate the average speed of a vehicle that traveled a total distance of 235 miles in 5 hours.**

- A. 0.02 m/s
- B. 47 m/s
- C. 0.02 m/h
- D. 47 m/h

**4. The equation  $F = M \times A$  is described in**

- A. Newton's 1<sup>st</sup> Law of Motion
- B. Newton's 2<sup>nd</sup> Law of Motion
- C. Kepler's 1<sup>st</sup> Law of Motion
- D. Kepler's 2<sup>nd</sup> Law of Motion

**5. Newton's 3<sup>rd</sup> Law of Motion deals with**

- A. momentum.
- B. inertia.
- C. action and reaction.
- D. velocity.

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**6. The opposite poles of a magnet**

- A. attract one another.
- B. repel one another.
- C. attract negatively charged material.
- D. attract positively charged material.

**7. Movement of an electric charge from negative to positive through a conductor is known as**

- A. magnetism.
- B. static electricity.
- C. current electricity.
- D. an electric cell.

**8. What is the pulling force exerted on and between all objects with mass?**

- A. gravity
- B. electricity
- C. magnetism
- D. contact force

**9. What is the back and forth motion of an object that produces sound known as?**

- A. pitch
- B. amplitude
- C. volume
- D. vibration

**10. What is the frequency of sound measured in?**

- A. Voltage
- B. Pitch
- C. Joules
- D. Hertz

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**1. B**

**2. B**

**3. D**

**4. B**

**5. C**

**6. A**

**7. C**

**8. A**

**9. D**

**10. D**