

SKILLS LIST and SAMPLE ITEMS

FOR

PRACTICE TEST FOR SCIENCE, GRADE 6

(Test items developed for skills measured in CRCT)

Skills

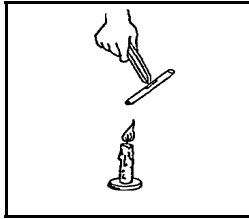
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|---|--|
| 1.0 Structure of Matter | 3.0 Energy and Its Transformation |
| 1.1 Structure of Matter | 3.1 Energy and Work |
| 1.2 States of Matter | 3.2 Heat Energy |
| 1.3 Acids and Bases | 3.3 Sound and Light Waves |
| 1.4 Periodic Table | 3.4 Electricity and Magnetism |
| 2.0 Motion/Forces | 4.0 Inquiry |
| 2.1 Newton's Laws of Motion | 4.1 Observing, Classifying,
Measuring, Communicating,
Predicting, Concluding |
| 2.2 Archimedes' and Bernoulli's
Principles | 4.2 Safety Procedures |
| 2.3 Simple and Compound Machines | 4.3 Metric System |
| 2.4 Satellites/Bionics | 4.4 Using Correct Tools |
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(c) EPES TESTING, INC.

(OVER)

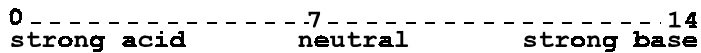
CRCT PRACTICE TEST IN SCIENCE - GRADE 6 - FORM A

1. The metal rod becomes hot because of



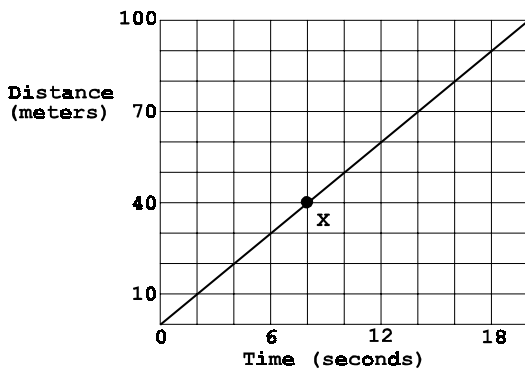
- A. radiation
 B. convection
 C. insulation
 D. conduction
2. What is the charge of an electron?
- A. negative
 B. positive
 C. neutral
 D. positive or negative

Use the following pH scale to answer question 3.

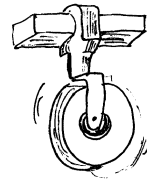


3. When testing the water in his fish aquarium, Jonathan noticed the water was slightly acidic. What pH was the water?
- A. 6
 B. 1
 C. 7
 D. 9

Use the following distance versus time graph to answer question 4.

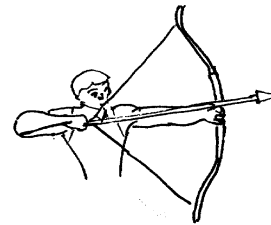


4. What is the velocity of the object at point X?
- A. 0.2 meters/second
 B. 40 meters
 C. 8 seconds
 D. 5 meters/second
5. What is the simple machine pictured below?



- A. incline plane
 B. lever
 C. pulley
 D. wheel and axle

Study the following drawing to answer question 6.



6. The potential energy to launch the arrow is stored in
- A. the man's arm
 B. gravity
 C. the arrow
 D. the bow