

SKILLS LIST and SAMPLE ITEMS

FOR

PRACTICE TEST FOR SCIENCE, GRADE 5
(Test items developed for skills measured in OCCT)

Skills

- | | |
|--|-------------------------------|
| 1.0 Observe and Measure | Crossover Skills |
| 1.1 Measure Objects, Organisms, Events | 5.0 Matter and Energy |
| 1.2 Similar/Different Characteristics | 5.1 Physical Properties |
| 2.0 Classify | 5.2 Using Tools |
| 2.1 Observable Properties | 5.3 Energy |
| 2.2 Serial Order | 6.0 Organisms and Environment |
| 3.0 Experiment | 6.1 Organisms in a Community |
| 3.1 Experimental Design | 6.2 Environment |
| 3.2 Hazards/Practice | 7.0 Earth and Space Science |
| 4.0 Interpreting Data | 7.1 Weather |
| 4.1 Tables/Line/Bar/Circle Graphs | 7.2 Earth |
| 4.2 Predictions | |
| 4.3 Explanations | |
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Number of questions: 45

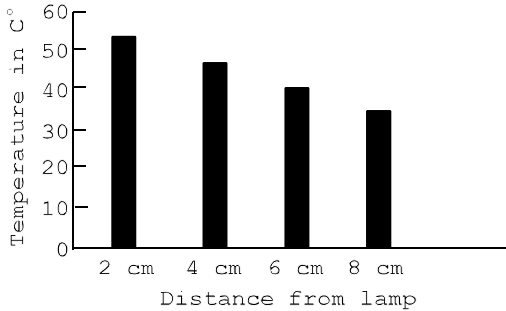
Number of pages: 12

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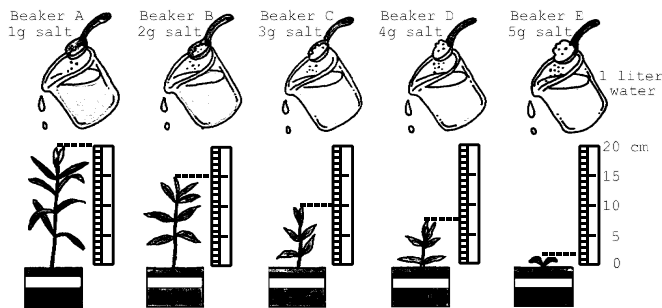
OCCT PRACTICE TEST IN SCIENCE - GRADE 5

Look at the graph below.



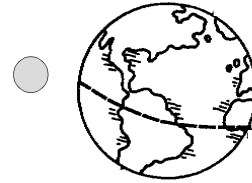
- The graph shows the results of an experiment that measured the temperature of a lamp at various distances. Which of the following would be a valid conclusion that could be reached from this graph?
 - The thermometer that is closest to the light has the highest temperature.
 - The distance between the thermometer and the light does not affect the temperature.
 - The thermometers that are the closest to the light have the coolest temperatures.
 - The temperature of the thermometer that is the farthest away from the light is the hottest.

Look at the picture below. Then answer the question.



- How will salt water solution affect how much a freshwater plant grows?
 - The plant with the least salt added grew the tallest.
 - The plant with the most salt added grew the tallest.
 - They all grew the same.
 - None of them grew - they died.

Look at the model below. Then answer the question.



- In a model of the diameters of the Earth and the moon, if the Earth is a basketball, the moon could be a
 - soccer ball
 - BB shot
 - marble
 - baseball

Use the following table of information about the moon to answer question 4.

CHARACTERISTIC	MEASUREMENT COMPARED TO THE EARTH
Diameter	$\frac{1}{4}$
Mass	$\frac{1}{81}$
Density	$\frac{3}{5}$
Force of gravitation	$\frac{1}{5}$

- Which statement is not true when comparing the moon to the Earth?
 - A person weighs less on the moon than on the Earth because the force of gravitation is less on the moon.
 - The moon is smaller than the Earth.
 - The Earth is more dense than the moon.
 - The mass of the moon is greater than the mass of the Earth.