Material Properties Evidence

Grade 2 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. The class left four pails full of water for a week. The iron pail got orange rust. The plastic pail looked the same. The cardboard pail fell apart. The clay pot leaked. Which material is best for a pail that holds water outside for months?
   cardboard clay plastic iron

2. The class stretched four materials until they broke. The yarn stretched 30 cm. The rubber band stretched 50 cm. The ribbon stretched 2 cm. The string stretched 5 cm. Which material is best for a toy that stretches?
   rubber band yarn ribbon string

3. The class floated four boats in water for an hour. The sponge boat soaked up 50 mL of water. The plastic boat soaked up 0 mL. The paper boat soaked up 30 mL and sank. The cork boat soaked up 2 mL. Which material floats and keeps the most water out?



   plastic paper cork sponge

4. The class held four materials over a lamp. The clear glass let all the light through. The tinted plastic let some light through, and you could see through it. The cardboard let no light through. The foil let no light through. Which material is best for sunglasses that you can see through but that dim the light?



   tinted plastic foil cardboard clear glass

5. The class tested four strips of the same size. The wood strip held 6 weights and was 40 grams. The metal strip held 20 weights and was 90 grams. The plastic strip held 8 weights and was 15 grams. The paper strip held 1 weight and was 2 grams. Which material holds at least 8 weights and is the lightest?
   plastic wood metal paper

6. The class wrapped four cups of hot water in different materials. After 20 minutes the water was 38 degrees in foil, 52 degrees in foam, 45 degrees in cloth, and 40 degrees in paper. Which material is best for keeping soup hot?



   paper foam cloth foil

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Answer Key - Grade 2 Science Worksheet - Challenge Me

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