Material Properties Evidence

Grade 2 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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 cork paper sponge

2. 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?



cardboard tinted plastic clear glass foil

3. 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?

wood metal plastic paper

4. 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?



foil foam paper cloth

5. The class put a thermometer under four covers in the sun. After 10 minutes it read 30 degrees under white paper, 41 degrees under black cloth, 35 degrees under clear plastic, and 33 degrees under tan cloth. Which cover keeps things the coolest in the sun?



tan cloth black cloth clear plastic white paper

6. The class counted drops before each material was full. The paper towel held 12 drops. The cotton cloth held 9 drops. The sponge held 30 drops. The wax paper held 1 drop. Which material is best for the head of a mop?

wax paper sponge paper towel cotton cloth

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Answer Key - Grade 2 Science Worksheet - Challenge Me

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