Material Properties Evidence

Grade 2 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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 paper metal wood

2. 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?



foam cloth foil paper

3. 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?



clear plastic tan cloth white paper black cloth

4. 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?

sponge wax paper paper towel cotton cloth

5. A shoe sole slid across four materials. It slid 4 cm on rubber, 20 cm on plastic, 12 cm on leather, and 25 cm on wax. Which material is best for a shoe bottom that does not slip?



wax leather rubber plastic

6. The class tested four covers for a greenhouse. The glass let light through, kept rain out, and broke when dropped. The clear plastic let light through, kept rain out, and did not break. The wax paper let some light through and got soggy. The foil kept rain out but let no light through. Which material lets light in, keeps rain out, and does not break when dropped?



wax paper foil clear plastic glass

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Answer Key - Grade 2 Science Worksheet - Challenge Me

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