Material Properties Evidence

Grade 2 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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 black cloth white paper tan cloth

2. 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 cotton cloth sponge paper towel

3. 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?



leather plastic wax rubber

4. 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?



foil wax paper glass clear plastic

5. The class hung four wet towels in the same room. The cotton towel dried in 90 minutes. The wool towel dried in 120 minutes. The nylon towel dried in 30 minutes. The foam towel dried in 100 minutes. Which material dries the fastest?

cotton wool nylon foam

6. The class tapped four bells and timed the ring. The metal bell rang for 5 seconds. The glass bell rang for 2 seconds. The wood bell rang for 1 second. The rubber bell made no ring. Which material is best for a bell that rings the longest?



wood metal rubber glass

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Answer Key - Grade 2 Science Worksheet - Challenge Me

Circle the answer.

1. 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 black cloth **white paper** tan cloth

2. 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 cotton cloth **sponge** paper towel

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leather plastic wax **rubber**

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foil wax paper glass **clear plastic**

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cotton wool **nylon** foam

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wood **metal** rubber glass