Energy Transfer Evidence

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A foam bead sits on a phone speaker. It jumps a lot when the tone is loud and barely moves when it is quiet. What does this show?

   quieter sound transfers more energy to the bead

   the bead stores light from the speaker

   the bead makes the sound

   louder sound transfers more energy to the bead

2. A struck tuning fork touches water and the water splashes. What does this show?

   the water passed energy to the fork

   the fork made the water cold

   the splash was caused by light

   the vibrating fork passed energy to the water

3. A plucked guitar string makes a sound. When a student rests a finger on the string, the sound stops. What explains this best?

   the finger makes the string longer

   the finger stops the vibration that carries the sound energy

   the finger adds light energy to the string

   the finger turns the sound into electric current

4. A thermometer next to a hot lamp reads 22, then 25, then 28 degrees Celsius in three minutes. What does this show?

   the room is getting colder

   sound is moving from the lamp to the thermometer

   the thermometer is making heat

   heat is moving from the lamp to the thermometer

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Energy Transfer Evidence

Answer Key - Grade 4 Science Worksheet - Challenge Me

Circle the answer.

1. A foam bead sits on a phone speaker. It jumps a lot when the tone is loud and barely moves when it is quiet. What does this show?

quieter sound transfers more energy to the bead

the bead stores light from the speaker

the bead makes the sound

louder sound transfers more energy to the bead

2. A struck tuning fork touches water and the water splashes. What does this show?

the water passed energy to the fork

the fork made the water cold

the splash was caused by light

the vibrating fork passed energy to the water

3. A plucked guitar string makes a sound. When a student rests a finger on the string, the sound stops. What explains this best?

the finger makes the string longer

the finger stops the vibration that carries the sound energy

the finger adds light energy to the string

the finger turns the sound into electric current

4. A thermometer next to a hot lamp reads 22, then 25, then 28 degrees Celsius in three minutes. What does this show?

the room is getting colder

sound is moving from the lamp to the thermometer

the thermometer is making heat

heat is moving from the lamp to the thermometer