

Light and Sound Review Questions

True/False Game:

1. I am wearing a dress. {false}
2. Light is a type of energy. {true}
3. The colours of a rainbow only appear in one set order. {true}
4. Light being absorbed makes shadows form. {false}
5. Bright colours reflect light better than dark. {true}
6. Looking in to water can change the way an object appears. {true}
7. Sound is a type of energy. {true}
8. Sound does not reflect. {false}
9. Sound will not make an object move. {false}
10. Sound reflects best off of a solid. {true}

Speed Questions:

1. Name on of my son's names. {Nathan of Justin}
2. List five properties of sound and five properties of light. {sound – travels in waves, caused by vibrations, can be absorbed, reflects, can be modified, light – travels in straight lines, changes direction in water, can be absorbed, reflects, travels in waves}
3. Make a list of three light sources and three things that reflect light. {source – light bulb, sun, fire, reflect – diamond, moon, reflector}
4. Make a list of five natural light sources and five artificial light sources. (natural – sun, stars, fire, fire-fly, lightning, artificial – light bulb, glow stick, TV, laser, stove element)
5. Make a list of four hot light sources and four cool light sources. {hot – sun, stars, stove element, fire, cool – LED lights, fire-fly, neon sign, TV}
6. What is the difference between “pitch” and “loudness”? {pitch – how high or low a sound is, loudness – volume}

Detail Questions:

1. Describe my shirt.
2. Explain why LED lights are better than incandescent lights. {use less energy}
3. Describe how the human ear works. {vibrations enter the outer ear, travel down the ear canal, contact the ear drum, which vibrates the small bones in the inner ear, which send signals to the brain}
4. Describe an invention, that uses light or sound, that keeps us safe.