Year 1 Science: Light, shadows and sound

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Which two of these give their own light: the Sun, a mirror, a torch, the Moon?

2. Is it safe to look straight at the Sun?

3. You move a torch closer to a toy. What happens to the shadow?

4. How can you make a drum sound louder?

5. What is the string doing when a guitar makes a sound?

Fix the mistake

6. Correct this statement: "My shadow is a picture of me, like in a mirror."

7. Correct this statement: "The Moon makes its own light."

8. Correct this statement: "It is safe to look at the Sun if I wear sunglasses."

Answer key (for parents and tutors)

1. Which two of these give their own light: the Sun, a mirror, a torch, the Moon?
   The Sun and a torch.
2. Is it safe to look straight at the Sun?
   No, never, even with sunglasses.
3. You move a torch closer to a toy. What happens to the shadow?
   It gets bigger.
4. How can you make a drum sound louder?
   Hit it harder.
5. What is the string doing when a guitar makes a sound?
   It is vibrating, shaking back and forth very fast.
6. Correct this statement: "My shadow is a picture of me, like in a mirror."
   A shadow is the dark patch where your body blocks the light, so it has your outline but no colours or face.
7. Correct this statement: "The Moon makes its own light."
   The Moon only shines because light from the Sun bounces off it.
8. Correct this statement: "It is safe to look at the Sun if I wear sunglasses."
   Sunglasses do not protect your eyes enough; never look straight at the Sun.