INSTRUCTIONS:

Step 1. Tape 2 pieces of paper together on the long side to make a large piece.

Step 2. Find a window where you can see the sun. Place the large paper in a sunny spot.

Step 3. Put a small animal toy on the edge of the paper facing the sun. **Observe** the shadow. Place other animals on the paper to make a scene.

Step 4. Trace the shadows.

Step 5. Leave the toys in place for an hour. **Observe** the shadows after an hour. How have the shadows changed? **Predict** what will happen in another hour. Wait to see.

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INSTRUCTIONS (Continued):

Step 6. Write or tell a story about your drawing.

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THE SCIENCE BEHIND IT:
The change in shadow size and shape happens because the Earth rotates. The Earth’s spinning causes the sun to be low in the sky in the morning and higher midday. Then it appears lower in the sky facing west later in the day. When we watch the “sun rise”, it is the Earth spinning east toward the direction of the sun.