

**Measuring Shadows**

Move a basketball post into the middle of the playground and position it so that a shadow is formed on the ground. Measure the length of the shadow at different times during the day. Record your findings in the chart below.

| TIME | LENGTH OF SHADOW | LONGER/SHORTER THAN PREVIOUS SHADOW |
|------|------------------|-------------------------------------|
|      |                  |                                     |
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**RESULTS** *What have you found out?*

**Explanation** *Try to explain your results by saying why this happened.*

Shadows are longer when the sun is higher/lower in the sky because the Earth is tilting nearer/further away from the sun.

Shadows are shorter when \_\_\_\_\_

\_\_\_\_\_