

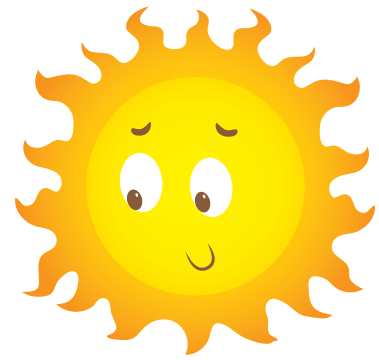
Section 4

Understanding Earth and Space Systems

EXPLORATION 1

The Daily Cycle

Relate the daily cycle to shadows.



Almost all living things are affected by the daily cycle of the sun. This cycle is the day and night that happens as the sun rises at dawn and sets at dusk. Because of this, we are mostly active during the day and sleep at night. Some animals, such as bats and raccoons, do the opposite. Plants also follow the daily cycle. Some plants bloom during the day, while others only bloom at night. Have you noticed that even shadows seem to move on their own as the sun changes its position?



Section 4

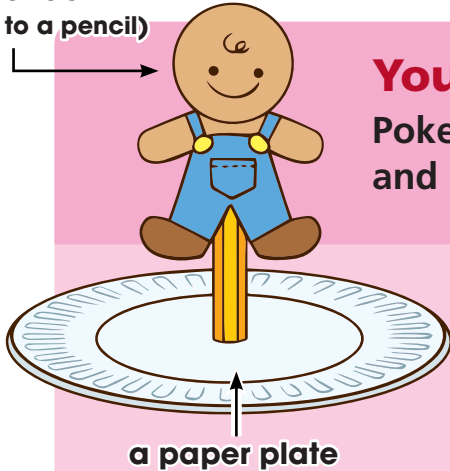
Understanding Earth and Space Systems

EXPLORATION
1

The Daily Cycle

Try this activity to discover changes in a daily cycle.

a paper doll
(taped to a pencil)

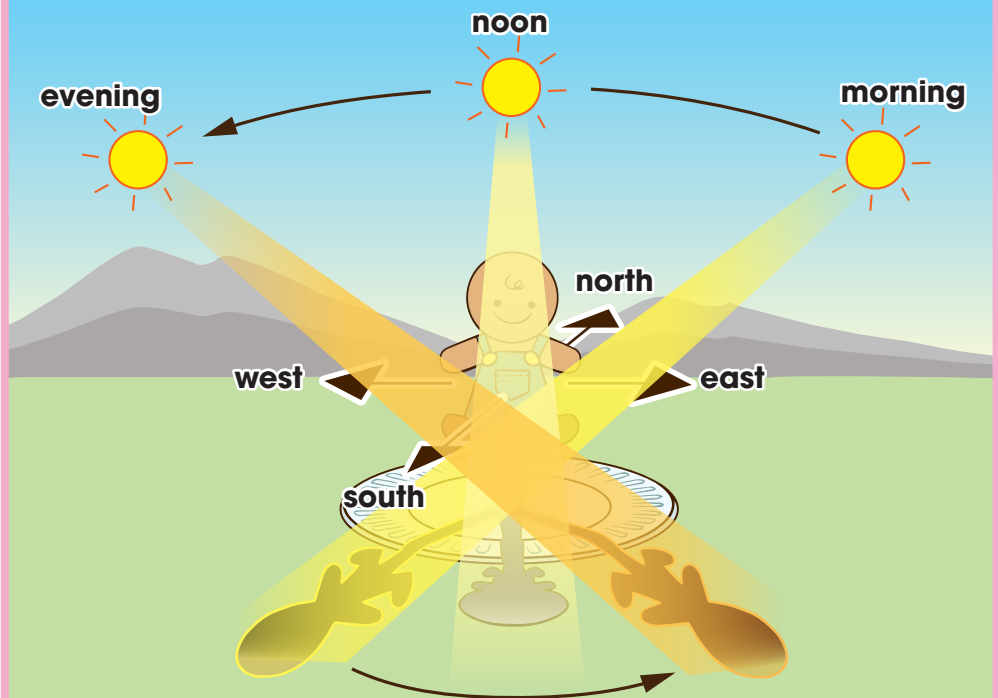


Your doll:

Poke the pencil into the centre of the plate and make sure it stands upright.

Make a paper doll and place it in a sunny spot without any tall objects around it.

The sun goes from east to west.



The shadow goes from west to east.

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Understanding Earth and Space Systems

EXPLORATION 1

The Daily Cycle

In this activity, you may have noticed that the shadow of your doll changes based on the direction of the sun.

As the sun moves, the light from the sun shines on objects from different directions. This changes the length and shape of the shadows it casts. This is why the shadow of the doll changes throughout the day.

Think about how the daily cycle affects you.

