Name: Date: Score: / 8

Shadow Clock: Learn and Practice

Shadows change as the day goes by

Read each question. Circle the best answer.

💡 Shadows Over a Day

- As Earth spins, the Sun seems to move across the sky.
- Shadows are long in the morning and evening and shortest near midday.
- Shadows always point away from the Sun.
- the Sun is high at noon: a short shadow

1 In the morning the Sun is in the east. Where does your shadow point?

A. Straight up B. Nowhere C. East D. West

2 🌅 In which direction does the Sun rise?

A. South B. North C. West D. East

3 When are shadows longest?

A. Early morning and evening B. Only at midday

C. At noon D. Never

4 How long does Earth take to spin once?

A. About 1 hour B. About 24 hours

C. About 1 year D. About 1 week

5 Which way does a shadow point?

A. Toward the Sun B. Away from the Sun

C. Straight up D. Always north

6 🍁 In Canada at noon, which direction does your shadow point?

A. East B. West C. South D. North

7 When is your shadow shortest?

A. Early morning B. At sunrise

C. Around midday D. Late evening

8 🌍 Why does the Sun seem to move across the sky each day?

A. Clouds push it B. The Moon pulls it

C. The Sun circles Earth daily D. Earth spins

✏️ Explain it! Write two facts you learned about shadow clock.

ANSWER KEY

Shadow Clock: Learn and Practice (answers)

Shadows change as the day goes by

Read each question. Circle the best answer.

1 In the morning the Sun is in the east. Where does your shadow point?

A. Straight up B. Nowhere C. East **D. West**

Shadows point away from the Sun, so a morning shadow stretches toward the west.

2 🌅 In which direction does the Sun rise?

A. South B. North C. West **D. East**

Because of the way Earth spins, the Sun rises in the east and sets in the west.

3 When are shadows longest?

A. Early morning and evening B. Only at midday

C. At noon D. Never

When the Sun is low in the sky, light hits at a slant and stretches shadows long.

4 How long does Earth take to spin once?

A. About 1 hour **B. About 24 hours**

C. About 1 year D. About 1 week

One full spin takes about 24 hours. That gives us one day and one night.

5 Which way does a shadow point?

A. Toward the Sun **B. Away from the Sun**

C. Straight up D. Always north

Your body blocks the sunlight, so the shadow falls on the side away from the Sun.

6 🍁 In Canada at noon, which direction does your shadow point?

A. East B. West C. South **D. North**

In Canada the noon Sun is in the southern sky, so shadows point north.

7 When is your shadow shortest?

A. Early morning B. At sunrise

C. Around midday D. Late evening

Near midday the Sun is highest in the sky, so shadows are shortest.

8 🌍 Why does the Sun seem to move across the sky each day?

A. Clouds push it B. The Moon pulls it

C. The Sun circles Earth daily **D. Earth spins**

Earth spins once a day, so the Sun appears to rise, cross the sky and set.