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sheet review shadow Science الملف

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Name: _____ Class: _____ Date: _____

Shadows review sheet

1. Fill in the blank using the words in the box.

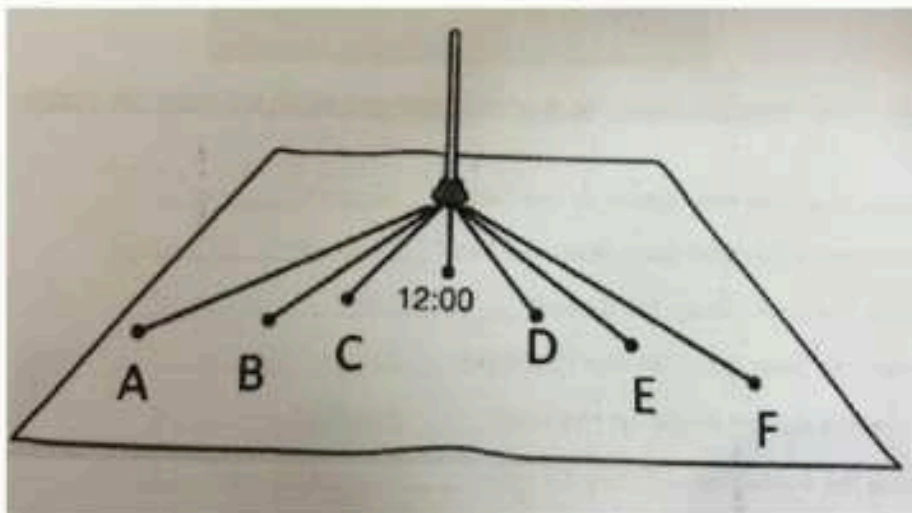
intensity light meter blocked shadow shadows sundial straight

Light travels in a _____ line. When light is _____ by an opaque object it makes a shadow. Before there were clocks people used _____ to tell the time. The position of the sun made shadows in different places this is called a _____. Light can be strong or weak. We use a _____ to measure the light intensity. The units of measuring light _____ is lux.

2. Say whether the material is transparent, translucent, or opaque.

- Wood: _____
- Glass: _____
- Desk: _____
- Tinted glass: _____
- Sunglasses: _____
- Clear plastic bag: _____
- Computer: _____
- Blackboard: _____
- Blue plastic bottle: _____
- Book: _____

3. Look at the picture below and answer the questions.

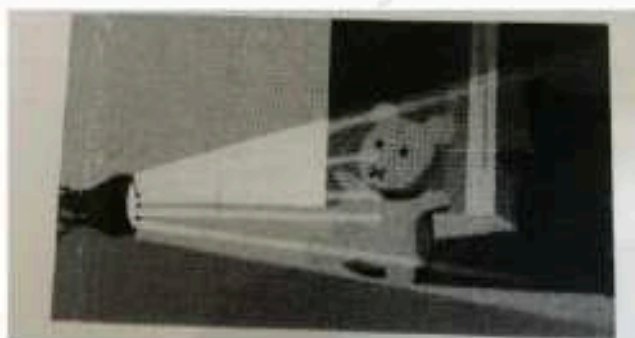


Grade 4 wants to make a sundial. They draw the shadow every 1 hour. But they forget to write the time on the sundial. One student marks the shadow at 12:00.

Help the students write the time on the sundial.

- Time at A:
- Time at B:
- Time at C:
- Time at D:
- Time at E:
- Time at F:
- The shadow is longest at:
- The shadow is shortest at:
- The shadow gets longer between and
- The shadow gets shorter between and

4. Look at the picture and answer the questions below.



Which of these things will make the shadow **bigger** and which will make the shadow **smaller**?

- Move the flashlight closer to the bear:
- Move the flashlight away from the bear:
- Move the bear closer to the wall:
- Move the bear closer to the flashlight:
- Move the screen closer to the bear:
- Move the screen away from the bear:

Good luck 😊!