ACTIVITY WORKSHEET · AGES 5–10

Sun or Shade? with Sofia

Let's practice the scientific method



SOFIA'S TIP

Use the same kind of plate in each spot.

Name _____ Date _____

SCIENTIFIC METHOD

You'll need: Two similar ice cubes, two plates and a timer.

1 Ask a question

Where will an ice cube melt first: in sun or shade?

2 Make a hypothesis

I think the ice in ___ will melt first because ___.

3 Experiment

Put one cube on each plate. Set one in sun (a sunny window works) and one nearby in shade. Start together. Check every 5 minutes.

Sun: ___ minutes **Shade: ___ minutes**

4 Analyze the data

Which cube melted first? How much sooner did it melt?

5 Share your conclusion

Tell a partner what happened. Use your times to explain.

The STEM Squad

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