

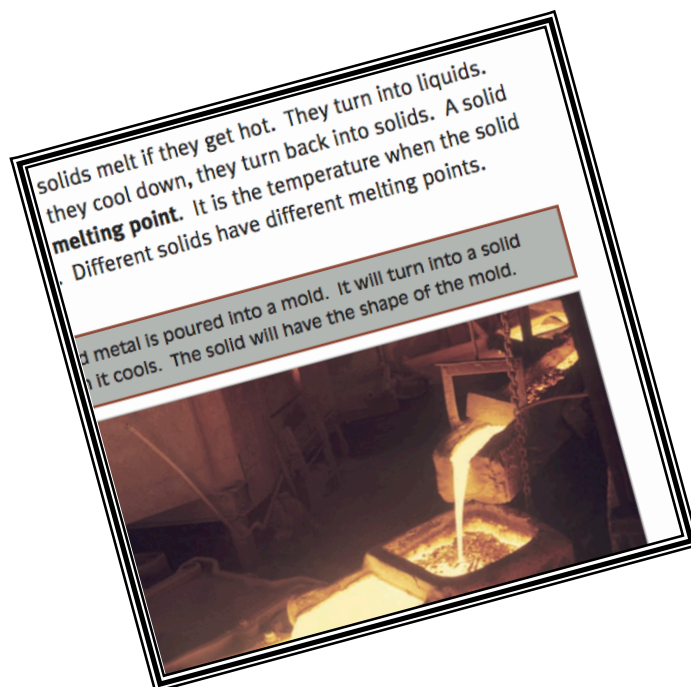
Close Reading and Text Dependent Questions in Science

Changing Solids (Solids & Liquids – Grade 1)

The text selection, *States of Matter: Solids--Changing Solids*, is found at the SIRS Discoverer database. To access the text selection, go to the SIRS Log In page. <http://ars.sirs.com/discoverer.html> Log in; if you do not have the password, check in with us or **go to the Science Page of Aspen/SIS for further information** on the article, the SIRS login and password.

After logging in, search for the article by typing the following into the site search box: Mezzanotte, Jim. "States of Matter: Solids--Changing Solids." Next download the reading selection as a PDF so you can save and print the text for students.

We apologize that we cannot include this reading directly; it is copyrighted material and we do not have special permissions that would allow us to post it publically.



Look in the Student Learning Outcome (SLO) Documents for guidance on when this should be taught. These can be found on the BPS Science Department's website: <http://bpsscience.weebly.com/> You will find the Student Learning Outcomes documents organized there by grade level.

Changing Solids (Solids & Liquids – Grade 1)

Student Questions

1. Explain what melting point is.

2. The picture on page 18 shows a volcano with lava pouring out. What is lava?
Describe what must happen for a rock to become lava.

3. How does the lava that came out of a volcano turn back into a solid rock?

4. What are three ways that solids can be changed?

Changing Solids (Solids & Liquids – Grade 1) Sample Answers

- 1. Explain what melting point is.**

Melting point is the temperature when a solid melts into a liquid.

- 2. The picture on page 18 shows a volcano with lava pouring out. What is lava? Describe what must happen for a rock to become lava.**

Lava is liquid rock. For a rock to become lava, it has to get very hot until it melts.

- 3. How does the lava that came out of a volcano turn back into a solid rock?**

Lava turns back into solid rock when it cools down.

- 4. What are three ways that solids can be changed?**

Solids can melt into liquids, they can be cut, and crushed to make a powder.