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](http://ars.sirs.com/discoverer.html)

Log in using -- boston -- for the username 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.

Look in the Student Learning Outcome Document for guidance on when this should be taught. [http://bpscurriculumandinstruction.weebly.com/student-learning-outcomes-by-grade.html](http://bpscurriculumandinstruction.weebly.com/student-learning-outcomes-by-grade.html)
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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?
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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.*