

Name _____

Go to http://www.classzone.com/books/earth_science/terc/navigation/visualization.cfm,
Go to chapter 5 "Atoms and Minerals" and click on the title below to answer the questions.

Observe common objects made of minerals.

1. What common items are made from these minerals?

Halite _____

Quartz _____

Gypsum _____

Fluorite _____

Graphite _____

Gold _____

Now go to the top menu and click on "Investigations."

Again go to chapter 5 and click on the title below to answer the questions.

How Do Crystals Grow?

1. Page 1, what year was the picture of the snowflakes taken? _____
2. How are all of the crystals the same in the picture, how are they different?
3. Page 2, 'Watch a Snowflake Grow,' how does the snowflake grow?
4. Page 4, 'Crystal Growth Animations,' describe similarities shared by all crystals as they grow?
5. Which of the two crystal growth examples, salt or pentacene are the larger crystals, how do you know?
6. Page 5, 'Visible Crystals Reflect Molecular Structure,' what is the name of the model what does it show?
7. Page 6, 'More Crystal Structures,' based on the models, predict the crystal shapes of quartz and galena?

8. Page 7, 'Limited Space for Growth,' describe what happens when one growing crystal encounters another growing crystal.
9. Page 8, 'What Controls Crystal Growth?,' what is the variable that controls how large table salt crystals grow?
10. Page 9, 'Simulated Crystal Growth Experiments,' describe the effect of temperature on the growth of these crystals from a solution.
11. Describe the effect of pressure on the growth of these crystals from a solution.