EC	ction 1 Review Chp 6 pgs. 135-138 TION VOCABULARY
	wen's reaction series the simplified pattern hat illustrates the order in which minerals crystallize from cooling magma according to heir chemical composition and melting point rock cycle the series of processes in which rock forms, changes from one type to another, is destroyed, and forms again by geological processes
	Describe Bowen's reaction series states that minerals can form from magma in two main ways. What are they?
	Apply Concepts In the space below, describe two paths through the rock cycle hat an igneous rock could follow to become a metamorphic rock. Your answer can be a labeled diagram or a written description.
	Compare How is the way an igneous rock forms different from the way a meta-
	Compare How is the way an igneous rock forms different from the way a meta- morphic rock forms?
1.	•
1.	norphic rock forms? nfer Granite is an igneous rock made up of large crystals of quartz, feldspar, and nica. Basalt is an igneous rock made up of large crystals of olivine, pyroxene, and amphibole. Basalt often forms in a way that produces large cracks in the ock. Which of these rocks is probably most stable at Earth's surface? Explain

NT	Cl	lass	Date
Name	CI	1033	Date

Section 2 Review

Chp 6 Pgs 139-144

SECTION VOCABULARY

extrusive igneous rock rock that forms from the cooling and solidification of lava at Earth's surface

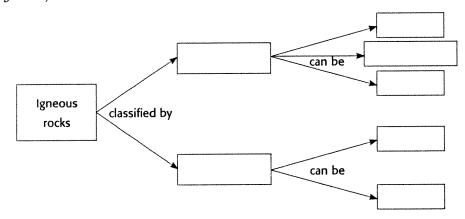
felsic describes magma or igneous rock that is rich in feldspars and silica and that is generally light in color

igneous rock rock that forms when magma cools and solidifies

intrusive igneous rock rock formed from the cooling and solidification of magma beneath Earth's surface

mafic describes magma or igneous rock that is rich in magnesium and iron and that is generally dark in color

1. Describe Complete the concept map below to describe how scientists classify igneous rocks. Use the terms *composition*, *texture*, *fine grained*, *coarse grained*, *mafic*, *felsic*, and *intermediate*.



- **2. Apply Concepts** Which will probably melt at the lower temperature, a rock that contains fluids and is under low pressure or a rock that does not contain fluids and is under high pressure? Explain your answer.
- **3. Compare** Describe two differences between intrusive igneous rocks and extrusive igneous rocks.
- **4. Infer** If there were a laccolith below the ground in an area, what might the area look like? Explain your answer.

	Class Date
Section 3 Review Chp.	G. pgs. 145-150
cementation the process in which minerals precipitate into pore spaces between sediment grains and bind sediments together to form rock chemical sedimentary rock sedimentary rock that forms when minerals precipitate from a solution or settle from a suspension clastic sedimentary rock sedimentary rock that forms when fragments of preexisting rocks are compacted or cemented together	compaction the process in which the volume and porosity of a sediment is decreased by the weight of overlying sediments as a result of burial beneath other sediments organic sedimentary rock sedimentary rock that forms from the remains of plants or animals
1. Classify A scientist is studying a sedim compaction and cementation. What ki studying? Explain your answer.	nentary rock that did not form through nd of sedimentary rock is the scientist
2. Identify List the seven features that se	edimentary rocks can have.
3. Infer A clastic sedimentary rock is mathat are all about the same size. What formed the rock was transported and	nde up of smooth, round sediment pieces can you infer about how the sediment tha deposited? Explain your answer.
that are all about the same size. What	can you infer about how the sediment that
that are all about the same size. What	can you infer about how the sediment that deposited? Explain your answer. are you more likely to find in an organic
that are all about the same size. What formed the rock was transported and 4. Synthesize Concepts Which structure a	can you infer about how the sediment that deposited? Explain your answer. are you more likely to find in an organic

	01	Dete	
Name	Class	Date	

Section 4 Review

Chp 6 pgs. 151-154

SECTION VOCABULARY

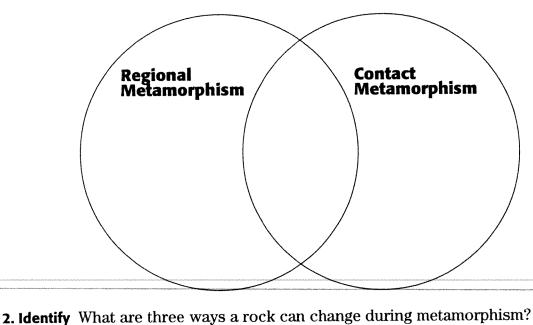
ture and pressure

contact metamorphism a change in the texture, structure, or chemical composition of a rock due to contact with magma

foliation the metamorphic rock texture in which mineral grains are arranged in planes or bands metamorphism the process in which one type of rock changes into metamorphic rock because of chemical processes or changes in temperanonfoliated the metamorphic rock texture in which mineral grains are not arranged in planes or bands

regional metamorphism a change in the texture, structure, or chemical composition of a rock due to changes in temperature and pressure over a large area, generally as a result of tectonic forces

1. Compare Complete the Venn diagram below to compare regional metamorphism and contact metamorphism.



n	Ifer The Himalaya Mountains are found where two tectonic plates collide. Does nost of the metamorphic rock in that area probably occur in small patches or in ride regions? Explain your answer.