

Earth's Changing Landscape

Name:

Teacher:

Class:

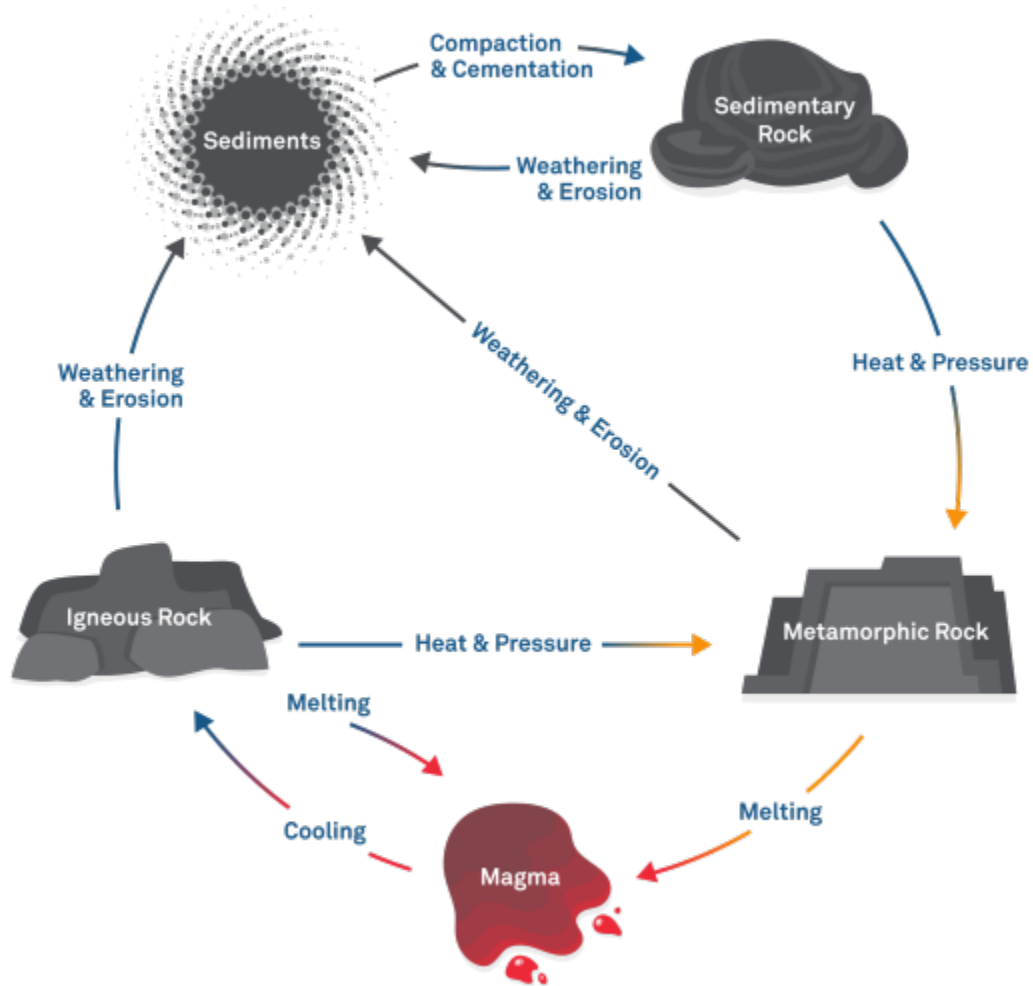
Earth and Space Science
Unit 1
Exit Tickets

Lesson 2 Exit Ticket: Digging into Earth

1. Identify and explain one reason why it is important to study rock strata. [3]

Lesson 3 Exit Ticket: The Rock Cycle

The diagram below shows a visual model of the rock cycle.



1. Use the diagram to explain how it is possible for igneous rock to change into sedimentary rock over time. [2]

Lesson 4 Exit Ticket: Reading Rock Layers

Directions: Below is a description of rock strata. Use the description and key below to complete the question that follows.

The oldest layer is composed of sandstone. The youngest layer is made up of limestone. The second-oldest layer was composed of dolomite, and the second-youngest of shale. There is an intrusion that crosses to halfway up the shale layer.

Use the layer template below to create a diagram of the rock layers. Use the symbols provided to create your diagram. Some symbols may not be used. Be sure to include the intrusion. [4]

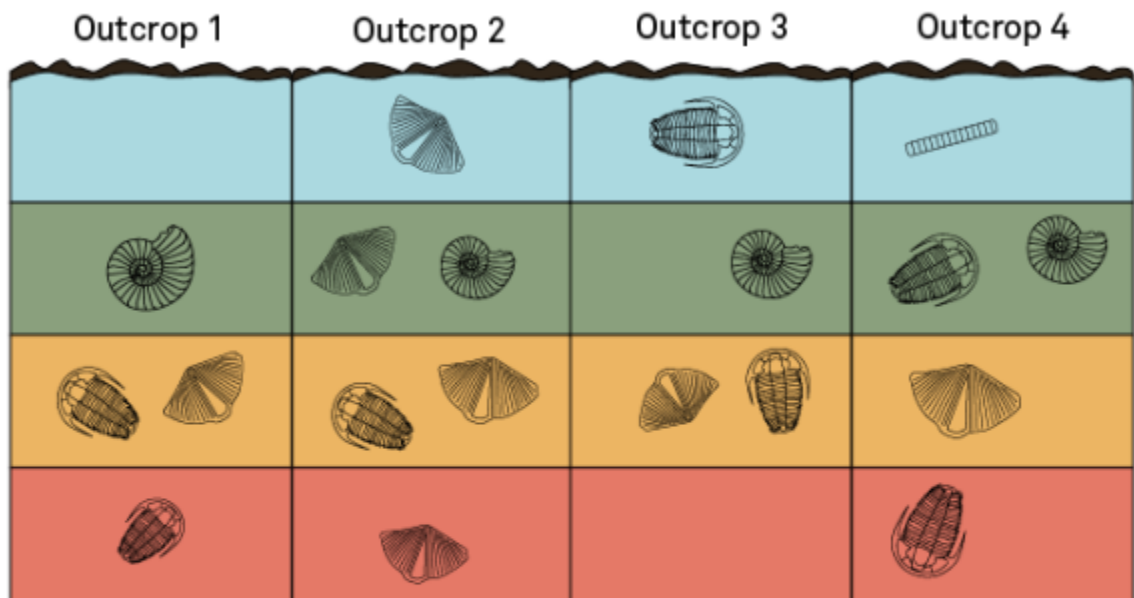
A	
B	
C	
D	

KEY

Dolomite	Sandstone	Igneous	Shale	Limestone	Metamorphic
					

Lesson 5 Exit Ticket: Finding Fossils

- Based on the image below, which fossil would make the best index fossil? Include evidence and reasoning. [3]



KEY



Brachiopod



Ammonite

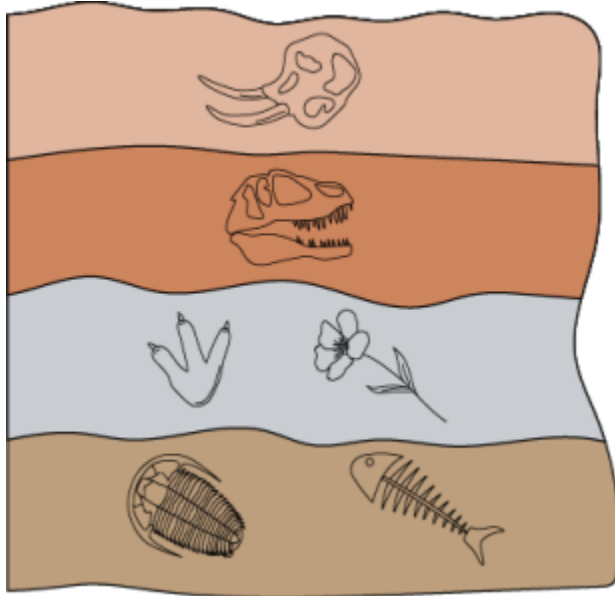


Crinoid



Trilobite

Lesson 6 Exit Ticket: The Geologic Timescale



- A** Fossil: Mammoth
- B** Fossil: Dinosaur Skeleton
- C** Fossil: Dinosaur Track & Flowering Plant
- D** Fossil: Trilobite & Fish

Based on the fossils found in each layer, identify and record the era in Earth's history that it corresponds to. Then, identify at least two defining characteristics of that era. Note that more than one layer may be from the same era. [8]

Layer	Era	Defining Characteristics of the Era
A		
B		
C		
D		

Lesson 7 Exit Ticket:

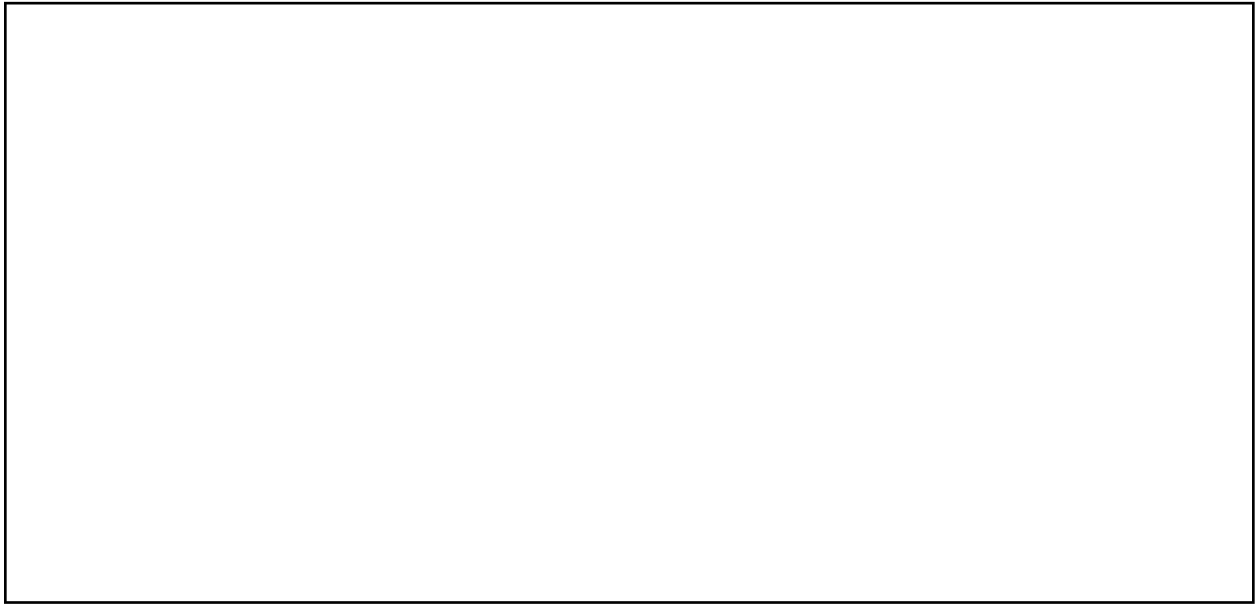
Putting the Puzzle Together The Theory of Continental Drift

1. Choose one piece of evidence from class today and explain how it supports the theory of continental drift. [3]

2. Why was Wegener's theory not generally accepted in the scientific community? [1]

Lesson 8 Exit Ticket: Introducing Plate Tectonics

1. Draw a diagram to show how plate tectonics works. Be sure to include: core, mantle, plates, and arrows showing magma movement and plate movement. [4]



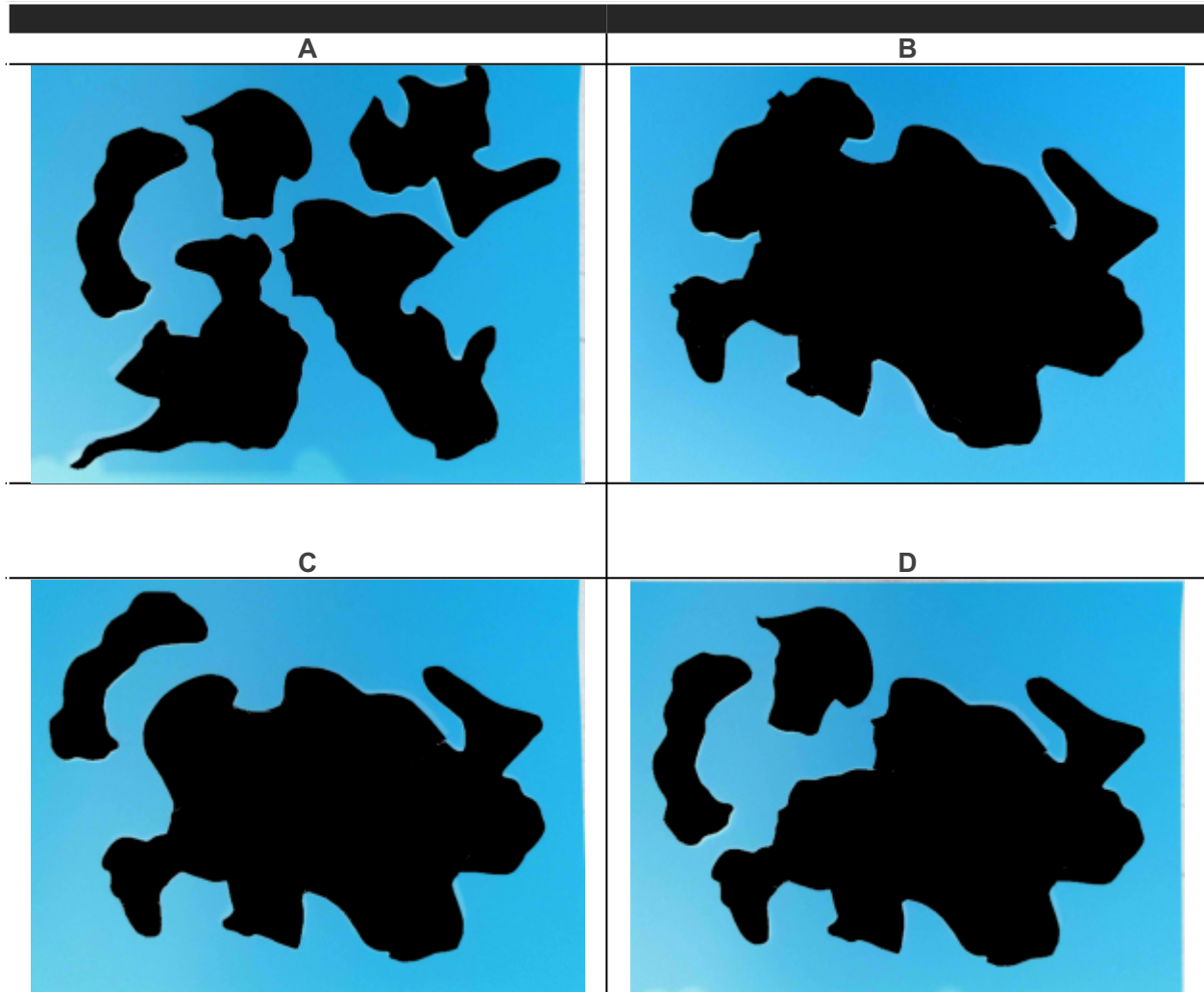
2. How does the theory of plate tectonics add support to Wegener's theory of continental drift? Include evidence from class and reasoning. [3]

Lesson 9 Exit Ticket: Seafloor Spreading

1. How does seafloor spreading support Wegener's theory of continental drift? Explain your reasoning. [3]

Lesson 10 Exit Ticket: On a Planet Far, Far Away...

1. Based on the images below, which drawing do you believe best represents what Brota looked like 500 million years ago? Include a claim, at least two pieces of evidence, and reasoning. [4]



Exit ticket continues on the next page!

