

NBp10

- Each Unit B: Processing Big Ideas should include the following:
 - Title of the activity
 - A neatly drawn picture that shows how the big ideas/main concepts are connected to what was learned in the corresponding activity
 - Each part of every picture should be labeled
 - The picture should be colored with multiple colors (3 or more colors)

Processing Big Ideas

<u>I&ES 36: Storing Nuclear Waste:</u>	<u>I&ES 37: Volcanic Landforms</u>

- For each Unit B: Big Idea/Main Concept:
- Based on the Big Ideas/Main Concepts listed in the table below, identify matching activities, by placing check marks in the appropriate boxes

Big Ideas/Main Concepts for I&ES 36 – I&ES 39

- Based on the Big Ideas/Main Concepts listed in the table below, identify matching activities, by placing check marks in the appropriate boxes.

Big Ideas/Main Concepts	I&ES 36: Storing Nuclear Waste	I&ES 37: Volcanic Landforms	I&ES 38: Beneath the Earth's Surface	I&ES 39: Earth Time
Making decisions about complex issues involves trade-offs (i.e. giving up one thing in favor of another).	X			
Identifying and evaluating relevant evidence is essential for thoughtful inquiry and good decision making.	X			
Risk analysis considers the type of risk, the frequency of the consequences, and the severity of the consequences.	X			
Creating models is one way to understand and communicate scientific information.		X		
Volcanoes can be a constructive force that results in the formation of new landforms, such as mountains. Differences in volcanic eruptions results in the different shapes of volcanic mountains.		X		
The earth is made up of different layers (crust, mantle, outer core, inner core). Each of these layers has distinct properties.				
The crust and the solid upper layer of the mantle are known as the lithosphere.				
A scale can be a useful tool for creating a realistic model of the earth.				
The earth is over four billion years old, and different events have occurred on earth during different periods of time.				
Fossils provide important evidence about how life and environmental conditions on earth have changed over geological time.				