

## Unit 7

### Competency Goal 2:

The learner will build an understanding of lithospheric materials, tectonic processes and the human and environmental impacts of natural and human-induced changes in the lithosphere.

### Unit 7 Objectives:

- I can describe the layers of the earth.
- I can describe the evidence for the continental drift theory.
- I can explain the process of convection.
- I can relate plate boundaries to earth features.
- I can describe deformation of the crust.
- I can describe the 4 fault types.
- I can describe the formation of the different mountain types
- I can describe the concept of isostasy

### Unit 7 Essential Questions

1. Describe all the layers of the Earth.
2. What is the continental drift hypothesis?
3. What are 4 pieces of evidence for the continental drift hypothesis?
4. What is sea-floor spreading?
5. What is subduction?
6. What force drives tectonic plate movement?
7. In what direction do divergent boundaries move?
8. What kind of stress occurs at divergent boundaries?
9. In what direction do convergent boundaries move?
10. What kind of stress occurs at convergent boundaries?
11. In what direction transform boundaries move?
12. What kind of stress occurs at transform fault boundaries?
13. What 2 formations are created at divergent plate boundaries?
14. What 3 formations are created at convergent plate boundaries?
15. What hazards are likely to occur at transform plate boundaries?
16. What 3 folds occur due to stress on the crust?
17. What are the 4 fault types?
18. How do the footwall and hanging wall move for each fault type?
19. How are fault-block mountains formed?
20. What is the principle of isostasy?