

CGC1D1 - MR. WITTMANN: GEOLOGICAL HISTORY TEST OUTLINE

Part A: 24 fill in the blank (24 marks)

- Geological Eras: PRECAMBRIAN, MESOZOIC, CENOZOIC
- Rock Cycle
- Folding and faulting, volcanism
- Plate Tectonics - J. Tuzo Wilson
- Continental Drift - Alfred Wegener
- Divergent, convergent, transform boundaries
- Asthenosphere, lithosphere
- Structure of the Earth
- Kinds of volcanoes (active, dormant, extinct)

Part B: 3 short answer (6 marks)

- Earth's magnetic field.
- Difference between a composite cones volcano and a shield volcano
- Relation between earthquakes, volcanoes and tectonic plates boundaries

Part C: 2 short answer (6 marks)

- Ways the movement of Earth's tectonic plates have shaped Canada's landscape
- North America's Paleozoic location, near the equator, influence on Canada's resources

Part D: Label diagrams (11 marks)

- Earth's layers
- Plate boundaries
- Types of volcanoes (shield, dome, composite, caldera)

Review Questions

1. How do scientists believe the Earth's magnetic field was created? (2 marks)
2. What is the difference between a composite cone volcano and a shield volcano. (2 marks)
3. Why are most earthquakes and volcanoes located near tectonic plates boundaries. (2 marks)
4. Describe 2 ways the movement of Earth's tectonic plates has shaped Canada's landscape. (3 marks)
5. How did Canada's Paleozoic location, close to the equator, influence transportation and home heating in Modern Canada? (3 marks)