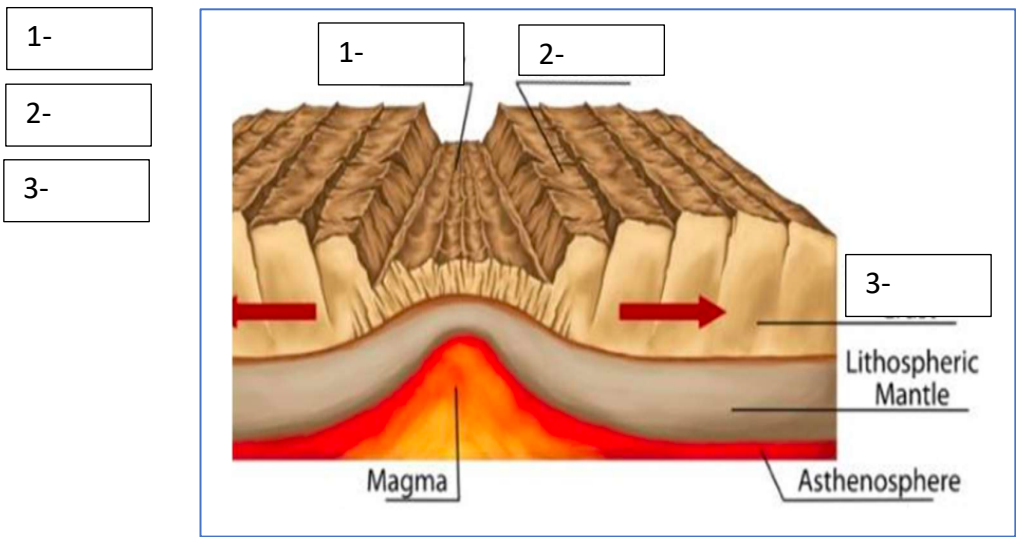
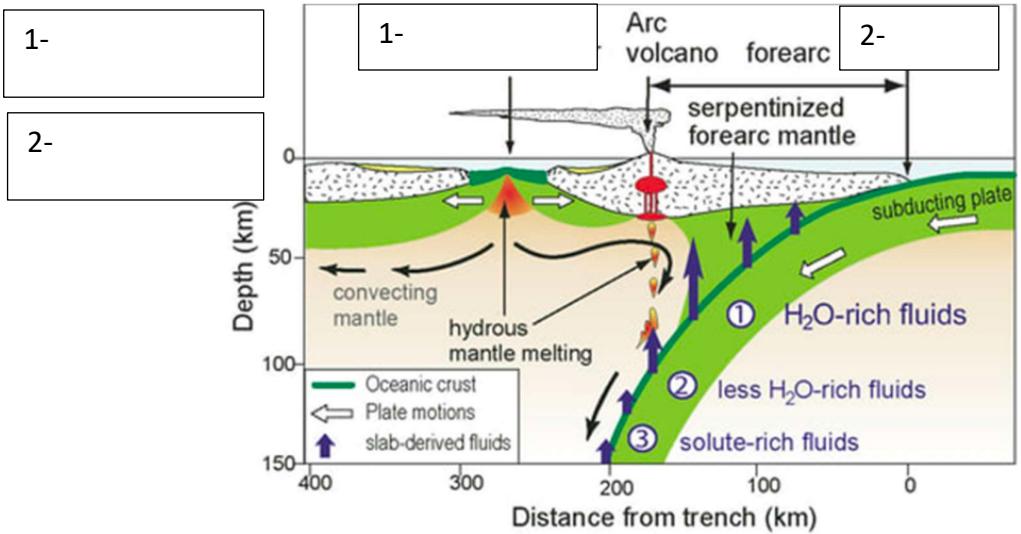
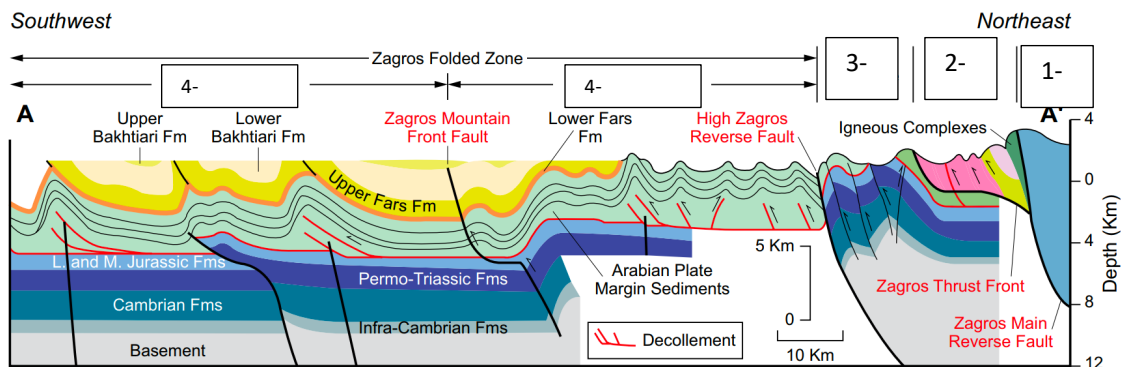


Expected Patterns of your monthly and final Exam Questions

- How do these massive slabs of solid rock float despite their tremendous weight?
- Why do earthquakes and volcanoes occur in similar places?
- How do we (geologists) improve that the continents were once joined together, and had moved around, what sort of evidence would you look for? Write them down briefly.
- What drives plate tectonics? And how?
- What are the basins related to divergent boundary, and give examples of rock formations in our region (Kurdistan) generated in these basins?
- What are the basins related to convergent platen boundaries (margins), and give examples of rock formations/groups in our region (Kurdistan) generated in these basins?
- What are the main tectonic events have sculpted today's shape of our landscape (Iraq-Kurdistan)? Just count them.
- What is the simplified tectonic division of Iraq by Foaud, 2015?
- Why does the earth shake in the first place?
- What are the main factors control intensity?

- Differences between
 - 1- Oceanic Crust and continental Crust:
 - 2- Convergent and divergent boundaries.
 - 3- Obduction and subduction.
 - 4- The Low Folded Zone and The High Folded Zone:
 - 5- Zagros Main Reverse Fault and The Zagros Thrust Front
 - 6- Open system and close system in isotope dating technique methods.
 - 7- Caledonian Orogeny and Alpine Orogeny.
 - 8- Epicentre and Focal point.





Fill the blanks with the appropriate answer

- 1-The main geologic events/processes cause cooling of rocks from deep of the earth to the surface are, and
- 2- The Western-Zagros Thrust belt is divided to,,,,
- 3- The primary features associated with passive continental margins are
-
- 4- In Kurdistan, an example of oceanic trench basin is
- 5- Some blanks could come as simple definition like,
- 6- Thermochronology is
- 7- Palaeomagnetism is
- 9-Partial retention zone in low temp. thermochronology is
- 10-Seismic waves are recorded on an instrument called
- 11-The intensity of earthquake is scaled based on,,,

Another type of question

-Imagine you have measured an apatite U/Th-He age of 6 Myr in a sample at the surface of Earth. What is the exhumation rate of the Earth's crust at the location? You can assume a surface temperature of 5 degrees, a thermal gradient of 20 degrees, and a closure temperature of 65°C.

Note: This is only the pattern of questions you can expect to come across.