

## 2017 United States Geography Olympiad - Written Examination [SAMPLE]

### Section 1 - American Urban Geography

1. What is public transportation? Name two types of public transportation that might be found in a large American city.
2. Name one positive effect that an extensive public transportation system might have on the environmental quality of a large city. Why do you think this effect would happen?
3. Name one positive effect that an extensive public transportation system might have on the traffic in a large city. Why do you think this effect would happen?

### Section 2 - Volcanology and Geomorphology

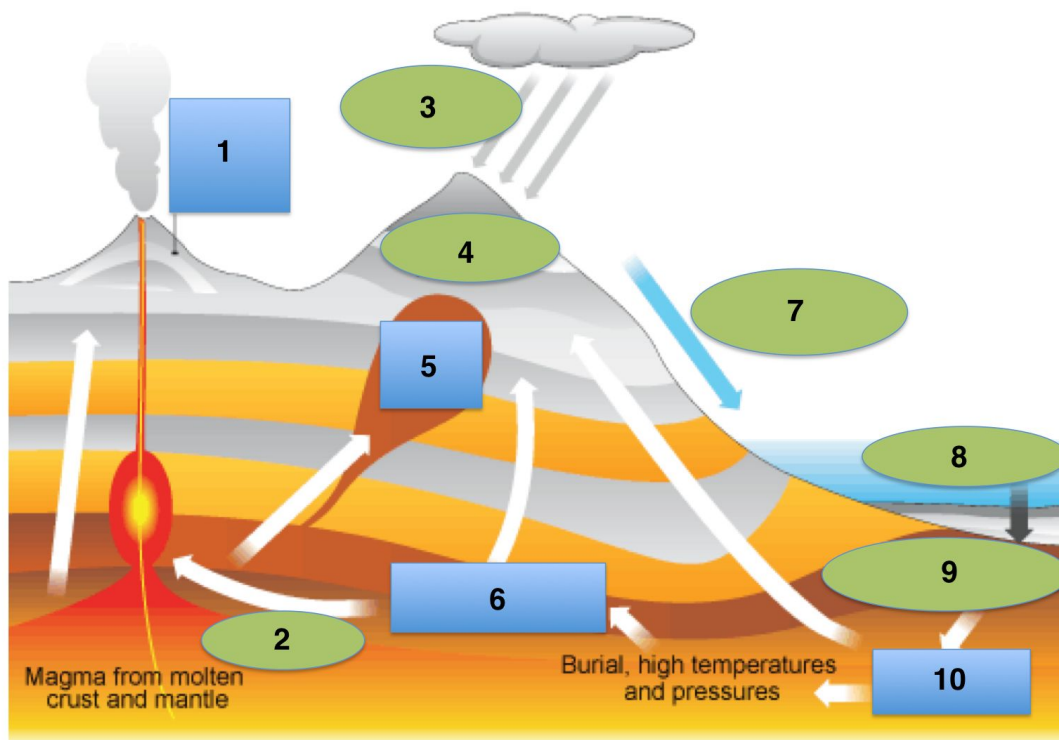


Illustration of the rock cycle

1. What process will result as the action of wind and water at the location marked 3 on the illustration? What type of rock will result at the location marked 10 on the diagram as a result of those actions? What type of rock will result at the location marked 6 on the diagram after burial and transformation by high pressures and temperatures?

2. Igneous rock is produced by volcanoes and the action of magma. Where on this diagram will intrusive igneous rock be produced? Where will extrusive igneous rock be produced? [identify each by number]