Tossup

21) Earth and Space-Multiple Choice: Keshav is observing the night sky through a Newtonian telescope. Which of the following would he find if he took the telescope and the eyepiece apart?

w) a lens and a mirror
x) two mirrors
y) two lenses and one mirror
z) two mirrors and one lens

Answer: z) two mirrors and one lens

Bonus

21) Earth and Space-Short Answer: Anish, looking through Keshav's telescope, observes the stars Betelgeuse and Rigel. At which constellation is Anish looking?

Answer: Orion

Tossup

21) Earth and Space-Multiple Choice: Which of the following periods contained living dinosaurs?

w) Pennsylvanian
x) Mississippian
y) Triassic
z) Paleogene

Answer: **y) Triassic**

Bonus

21) Earth and Space-Short Answer: Order the following units on the geologic time scale from the longest to shortest length of time: 1) epoch 2) period 3) eon 4) era

Answer: 3, 4, 2, 1

Tossup

21) Earth and Space-Multiple Choice: Which of the following scales is used to measure the magnitude of an Earthquake?

w) Enhanced fujita
x) Saffir-Simpson
y) Richter
z) Beaumont

Answer: **y) Richter**

Bonus

21) Earth and Space-Short Answer: What is the term for the exact location below the ground from which an earthquake originates?

Answer: Focus or Hypocenter(DO NOT ACCEPT epicenter)

Tossup

21) Earth and Space-Short Answer: Olympus Mons, the tallest volcano in the solar system, is what type of volcano?
Answer: Shield Volcano

Bonus

21) Earth and Space- Short Answer: Rank the following types of lava by decreasing silica content: 1) rhyolitic 2) basaltic 3) andesitic

Answer: 1,3,2

Tossup

21) Earth and Space-Short Answer: Half dome in Yosemite is an example of what type of igneous intrusion?
Answer: Batholith

Bonus

21) Earth and Space- Short Answer: Half dome exhibits a phenomenon in which the rocks peel away in layers due to decrease in pressure. What is the term for this phenomenon?
Answer: Exfoliation

Tossup

21) Earth and Space-Short Answer: what term describes an area that experiences one high tide and one low tide per day?
Answer: Diurnal

Bonus

21) Earth and Space: Multiple Choice: Which of the following regions near the US experiences diurnal tides?

w) East Coast
x) West coast
y) Gulf of Mexico

z) no part of the US

Answer: **y) Gulf of Mexico**

Tossup

21) Earth and Space- Short Answer: Anshul is traveling to an area in Slovenia known as the Karst plateau. If he were to dig into the ground, which rock would he be most likely to find?
Answer: Limestone

Bonus

21) Earth and Space-Short Answer: Oorja joins Anshul on his adventure and they decide to go into a cave system. What icicle shaped formations can they expect to find hanging from the ceiling of the cave?
Answer: Stalactites(DO NOT ACCEPT Stalagmites)

Tossup

21) Earth and Space-Short Answer: Norway contains many glacier cut inlets. What are these inlets known as?
Answer: Fjords

Bonus

21) Earth and Space-Short Answer: What is sediment left behind by retreating glaciers known as?
Answer: Glacial Till or Glacial Moraine

Tossup

21) Earth and Space-Short Answer: Order the following soil layers from top to bottom. 1) E horizon 2) O horizon 3) A horizon
Answer: 2, 3, 1

Bonus

21) Earth and Space- Short Answer: Order the following clasts from smallest to largest in size: 1)cobble 2) pebble 3) boulder
Answer: 2, 1,3