

STATE that the Richter Scale is logarithmic
STATE the type of rock(s) that would fine fossils
STATE the composition of each soil horizon
STATE the percent of water on earth that is freshwater
STATE the location(s) for earth's freshwater
STATE purpose of an aqueduct
STATE the drawback(s) of desalination
STATE the estimated number of people who live in regions with water scarcity
STATE the percents of water use worldwide in: agriculture, industry and households
STATE the amount of water required to grow a metric ton of grain
STATE the amount of water required to grow a metric ton of beef
STATE the percent of the world population that lacks access to safe drinking water
LIST the functions of soil
LIST the soil horizons from top to bottom
LIST sediment particles found in soil from smallest to largest
LIST the four elements that make up 88% of the earth's crust
LIST environmental problems associated with mining
OUTLINE the lines of evidence that support the theory of plate tectonics
OUTLINE the theory of plate tectonics
OUTLINE the characteristics of soil best for growing plants
OUTLINE the water table
OUTLINE an aquifer
OUTLINE a spring
OUTLINE the costs and benefits of dams
OUTLINE the current trend (last 50 years) for water use in agriculture
OUTLINE gray water and some suitable uses for gray water
ANNOTATE figure 8.1 from your text
DESCRIBE water use in the United States today
DESCRIBE acid mine drainage and its effects
DESCRIBE drip irrigation
CALCULATE the difference in degrees of magnitude on the Richter Scale between two earth quakes
CALCULATE the amount of money saved by buying a more efficient dishwasher (math word problem)
CALCULATE the amount water needed for a lawn over a years time (math word problem)
IDENTIFY where the seafloor would be spreading from a model
IDENTIFY a substance given its composition and structure
IDENTIFY the origin(s) of metamorphic, igneous and sedimentary rocks
IDENTIFY human practices that cause greater erosion
IDENTIFY activities that degrade soil
IDENTIFY legislation that required mining companies to restore the land after mining
COMPARE rocks and minerals
SUGGEST how an earthquake measured lowered on the Richter Scale could do more damage than another earthquake which measured higher on the Richter S.

SUGGEST the best soil type to line a landfill

DISCUSS whether or not current water consumption from the Ogalla Aquifer is sustainable

DISCUSS how human activities can contribute more (frequent/severe) droughts

DISCUSS how today water poor countries are getting their freshwater

EXPLAIN the role lichens play in weathering

EXPLAIN the production of acid precipitation (include the names of gases and acids)

EXPLAIN discuss the importance of flood plains historically

EXPLAIN the “Dust Bowl” from an ecological perspective

DETERMINE an answer by analyzing figure 8.3

DETERMINE an answer by analyzing figure 9.1

DETERMINE an answer by analyzing figure 9.3