

## Review Bell Ringer 3

- 1** Enchanted Rock State Natural Area is located in Central Texas. Enchanted Rock is a dome of granite. The area contains four easily identifiable communities. The table describes characteristics of each type of community in the area.

Communities in Enchanted Rock State Natural Area

Type of Community	Dominant Characteristics
Open oak woodland	Several species of oaks, cacti, and some scattered grasses among scattered boulders
Mesquite grassland	Mesquite trees, abundant grasses in areas with thick soil, and few boulders
Floodplain	A thick mix of trees, shrubs, grasses, and numerous wildflowers; floods with heavy rains
Granite rock	Barren rock with lichen patches

A student studying primary succession should focus on which of these communities?

- A** Open oak woodland
  - B** Mesquite grassland
  - C** Floodplain
  - D** Granite rock
- 2** Which statement best describes the differences in species diversity between an ecosystem beginning the process of primary succession and one beginning the process of secondary succession?
- F** Species diversity is much greater in the ecosystem undergoing primary succession because that ecosystem is experiencing a longer period with a lack of competition for space.
  - G** No differences in species diversity exist because both ecosystems initially lack living organisms.
  - H** Species diversity is much greater in the ecosystem undergoing primary succession because the lack of soil provides a greater area for organisms to claim niches.
  - J** Species diversity is greater in the ecosystem undergoing secondary succession because the soil already contains seeds and spores of various species.