

Key Concept Builder **LESSON 1*****Earth Systems and Interactions***

Key Concept How do Earth systems interact in the phosphorus cycle?

Directions: *On the line before each statement, write the letter of the correct answer.*

- _____ 1. Phosphorus does not exist in the
 - A. biosphere.
 - B. geosphere.
 - C. atmosphere.
- _____ 2. Phosphates are formed when phosphorus reacts with
 - A. carbon.
 - B. oxygen.
 - C. nitrogen.
- _____ 3. Plants absorb phosphorus from soil or
 - A. air.
 - B. water.
 - C. animals.
- _____ 4. Phosphates in living things can return to soil during
 - A. respiration.
 - B. decomposition.
 - C. photosynthesis.
- _____ 5. Phosphorus that is stored in organisms
 - A. never recycles.
 - B. recycles slowly.
 - C. recycles quickly.
- _____ 6. Clearing trees in rain forests
 - A. disturbs the phosphorus cycle.
 - B. improves the phosphorus cycle.
 - C. does not impact the phosphorus cycle.
- _____ 7. Excessive algal growth can occur when phosphorus levels in ponds
 - A. increase.
 - B. decrease.
 - C. do not change.