

Variation and Adaptation
Section Review

Makeup for 4/20/11 Absence 10.1

The Big Idea

Populations change over time through natural selection. 10.1-10.2

Concepts

- Most variation in a population results from recombination of existing alleles.
- Some variations are adaptations that increase a population's chances for survival and reproduction.
- Each organism in an environment has its own niche. Niches are created and destroyed by environmental changes.

Words

species variation adaptation niche fossils

PART A Define each of the terms listed in your own words.

1. species

2. variation

3. mutation

4. niche

5. adaptation

PART B

1. Identify two sources of variation in populations.

2. List three ways that alleles are recombined during sexual reproduction.

3. What happens when two populations attempt to occupy the same niche?

4. What is biodiversity?

5. Why is variation within populations important?

6. How are fossils formed?
