

Name_____ Date_____

Section 2.4 The Value of Variation

- 1) Why do plants and animals exist today?
- 2) How many cells are required to reproduce asexually by mitosis?
- 3) Which type of reproduction requires more energy?
- 4) As a result, _____ offspring are produced by _____ reproduction.
- 5) What can bad weather, disease, or inadequate food do to organisms in a population?
- 6) What is a good example of variation that affects human survival?
- 7) What was a major cause of death in humans 100 years ago?
- 8) If you catch strep throat, what is the environment for the bacteria?
- 9) What would happen if you caught strep throat before 1940?
- 10) What would happen if you caught strep throat just after 1950?

11) Why may your doctor have difficulty finding an antibiotic to destroy streptococcus bacteria in your throat?

12) Define conjugation.

13) What has conjugation allowed?

14) Is variation always an advantage?