

TEACHER NOTES AND ANSWERS

Section 5.4

Binary fission: asexual reproduction of a single-celled organism by division into two roughly equal parts; may sketch a figure similar to the Visual Vocab on page 148

Mitosis

Budding: small projection grows on surface of parent and forms a new organism

Fragmentation: parent organism splits into pieces that can each grow into a new organism

Vegetative reproduction: modification of a stem or underground structure from the parent organism; new organism often remains connected

Asexual reproduction: creation of genetically identical offspring from one parent organism; does not involve fusion of gametes

Advantages to species: Can be more efficient if organisms well suited to environment. All organisms can potentially reproduce. Organisms do not need to spend resources finding or attracting a mate.

Disadvantages to species: All organisms respond same way to environment. Organisms may lack adaptability to survive in changing conditions.

Section 4: Asexual Reproduction

PowerNotes

