Asexual Reproduction Objectives:

Define these key terms:

asexual reproduction binary fission budding sporulation regeneration vegetative propagation mitosis bulb tuber runner rhizome cutting grafting stock scion

- Explain three differences between asexual reproduction and sexual reproduction.
- Correctly define the following methods of asexual reproduction: binary fission, budding, sporulation, regeneration, and vegetative propagation.
- Describe the process of binary fission.
- List three examples that reproduce by binary fission.
- Describe the difference between budding and binary fission.
- Give two examples of organisms that reproduce by regeneration.
- Explain how the ability to regenerate differs for complex organisms than for simple organisms.
- Analyze & identify diagrams for binary fission, budding, sporulation, regeneration, & vegetative propagation.
- Recognize that asexual reproduction is a form of mitosis.
- Identify four types of natural vegetative reproduction.
- List two examples of organisms that reproduce using bulbs.
- List an example of an organism that reproduces using tubers.
- Describe how a runner differs from a rhizome.
- Identify 2 types of artificial vegetative reproduction with an example for each.
- Describe the process of cutting.
- Describe the process of grafting.
- Explain the difference between the stock and the scion.
- Identify three advantages for using artificial vegetative propagation.