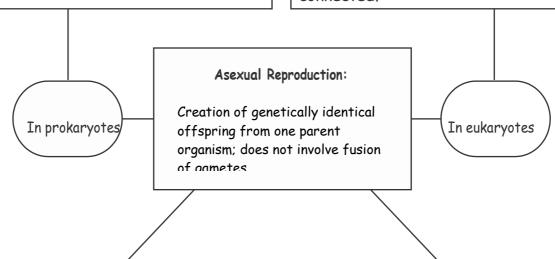
5.4 Power Notes

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 page148

Mitosis:

- Budding: small projection grows on the surface of the parent and forms a organism.
- 2. Fragmentation: parent organism splits into pieces that can each grow into a new organism
- 3. Vegetative Propagation:
 modification of a stem or underground structure from the parent organism; organism often remains connected.



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.
- Lacking in genetic diversity