**Asexual Reproduction Flipped Lesson (2 days)**

Name:

Hour:

Go to the class website(frcswordbiology.weebly.com) and find this assignment link.

Mitosis/meiosis/Asexual Flipped Lesson. Use the electronic version to link to the various tasks below.

Please visit the websites below and either read the information on the page or watch the following videos. They explain asexual reproduction and the benefits/costs of different types of reproduction. While you watch please fill in the questions below.

* You have 2 days to complete the following tasks.
* Questions are not meant to be done in order, but as a reflection during and after you have completed each task below.
* Generic or general answers will not be accepted for certain questions.
* I am expecting you to use details and examples learned after completing the tasks below (instead of looking up answers in your search engine).
* Please use your class time wisely or you will have to complete this lesson for homework or during AF time.

**Tasks**

Video 1: Repo Game Show (6min)

<http://www.youtube.com/watch?v=tWfgpHKP0_4>

Video 2: Budding (3min)

<http://www.youtube.com/watch?v=JZLHJZZZS-Y&list=PL861BB8529FCB67E7>

Video 3: Asexual vs Sexual (3min)

<http://www.youtube.com/watch?v=jk2RJm5RBEk>

Video 4: Types of Reproduction (6min)

<http://www.youtube.com/watch?v=oHTqpYObFZ8>

Video 5: Why Sex? (5min)

<http://www.youtube.com/watch?v=CiqJHiRcIOI&feature=youtu.be>

Video 6: PBS’ Uncover Sex’s Advantages (10min)

<http://www.youtube.com/watch?v=DbEMrFdzPhg>

About.comBiology (read all 5 pages)

<http://biology.about.com/od/genetics/ss/Asexual-Reproduction.htm>

To Double or Not To Double (read about each species)

<http://utahscience.oremjr.alpine.k12.ut.us/sciber03/middle/7_sciber/Heredity/html/get_more.htm>

Science9Reproduction (read all pages/links on right)

<http://science9reproduction.wikispaces.com/Advantages+of+Sexual+Reproduction>

**Questions (28pts)**

1. What is asexual reproduction? 1pt
2. Explain how budding works and give an example of an organism that uses budding as a type of asexual reproduction. 2pts
3. Make a T-Chart for Asexual Reproduction (3 facts each) 6pts

Advantages Disadvantages

1. Make a T-Chart Sexual Reproduction (3 facts each) 6pts

Benefits Costs

1. Explain fragmentation. 1pt
2. Give an example (used in the websites/videos above) that have both male and female parts located within the same organism. 1pt
3. Give an example (used in the websites/videos above) of an organism that can do both sexual reproduction and still can clone its cells. 1pt
4. Early fisherman hated catching starfish in their nets, to get rid of them they would chop them in half and threw them back into the sea. Explain why this was o wasn’t a good method of getting rid of starfish. 1pt
5. Does the “Red Queens Hypothesis” explanation of reproduction give support for asexual or sexual reproduction? 1pt
6. Fill in the Venn Diagram below to compare and contrast concepts below. 3pts

**Asexual Both Sexual**

1. Persuade an “unknown” organism why (sexual or asexual) is the best method of reproduction. Be sure to use complete sentences. Answers need to use information learned in this lesson. Make sure to write at least a paragraph on a separate sheet of paper.. 5pt

* *If your last name starts with A through M you need to persuade your organism to use* ***sexual reproduction.***
* *If your last name starts with N through Z then you need to persuade your organism to use* ***asexual reproduction.***

**Must have 5 sentences with at least 3 facts**