

## Genetics

### Brainpop - Asexual Reproduction Notes

Name:

Period:

Watch the Brainpop on asexual reproduction, then fill in the blanks using the words provided in the word bank below each paragraph.

#### Two Types of Reproduction

There are two types of reproduction, sexual and asexual. In \_\_\_\_\_ reproduction (how you were made), the parents and offspring do not share the same \_\_\_\_\_ information. A \_\_\_\_\_ egg cell is fertilized by a \_\_\_\_\_ sperm cell, and their \_\_\_\_\_ combine to make a unique individual. \_\_\_\_\_ reproduction is what happens when offspring have been created without sex. This method of reproduction is common among \_\_\_\_\_ and simple \_\_\_\_\_. In asexual reproduction, the parents' genes are split in two, resulting in two exact \_\_\_\_\_.

animals asexual chromosomes copies female genetic male plants sexual

#### Examples of Asexual Reproduction in Plants

For thousands of years, \_\_\_\_\_ have taken advantage of \_\_\_\_\_ reproduction by taking \_\_\_\_\_ from a plant, and then planting them to make more plants. \_\_\_\_\_ plants grow long stems along the ground, and "child" plants grow from the stem. The child plants are considered to be \_\_\_\_\_, as they share the same genetic \_\_\_\_\_ as the parent plant. Aspen and poplar trees have a similar way of reproducing with parts similar to roots that grow under the ground and sprout new \_\_\_\_\_.



asexual clones cuttings farmers information strawberry trees

#### Examples of Asexual Reproduction in Animals

Eukaryotic cells that reproduce asexually replicate through a process called \_\_\_\_\_. Prokaryotic cells (like those of \_\_\_\_\_) reproduce asexually in a process called \_\_\_\_\_. Another type of asexual reproduction is called \_\_\_\_\_, where the child organism develops as a \_\_\_\_\_ on the parent, and may eventually drop off. \_\_\_\_\_ is another type of asexual reproduction that occurs when a damaged organism regrows a part of its body. This happens in \_\_\_\_\_ when they lose an arm, and in sponges. Sometimes, the damage to the parts is so extensive that the parts themselves can grow, creating two or more separate \_\_\_\_\_.

bacteria binary fission budding children growth mitosis regeneration starfish