QUESTIONS:

What type of asexual reproduction is used by planaria?

--- fragmentation

 Which type of asexual reproduction is the same as mitosis of a single cell?

--- Binary Fission

Which type of asexual reproduction only occurs in plants?

--- Vegetative Reproduction

Which type of asexual reproduction allows the organism to “hibernate” until

conditions improve?

--- spore formation

Which type of asexual reproduction produces a “mini-me” off the parent or may be

considered as a descriptive word for romance? ----- Budding

What types of asexual reproduction do bacteria use?

---- spore formation and binary fission

 If the value of a diploid cell is 38, how many chromosomes will be found in the

gametes of this organism? ---19

 If the gametes of an organism have 5 chromosomes, how many chromosomes are in

the body cells of the organism? ----10

 Give 2 differences between mitosis and meiosis – You must state how each differs

from the other) mitosis – happens in body cells, 1 cell yields 2 cells, creates identical

diploid cells, only one set of stages; Meiosis – happens in sex cells, 1 cell yields 4 cells,

creates different haploid cells, has 2 sets of stages

What is the purpose of mitosis?

---- allows for growth and development of an organism, replaces dead or dying cells

What is the purpose of meiosis?

---- allows an animal to reproduce sexually lending half of its genetic make-up to it’s

offspring

Give the function of the ovary.

---- to produce female gametes and produce estrogen and progesterone

Give the functions of the seminal fluid.

----- to provide lubrication and nutrients for the sperm to travel in, and provide buffers

from the acidic female environment