**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Online Activity – Meiosis**

**Important:**

* ***If you WATCH and LISTEN to the video it will HELP you understand the information on your Genetics #1 Test.***

**Mitosis Review:**

1. Mitosis makes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ body cells.
2. Mitosis is important for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ worn out cell parts

**Meiosis Information:**

1. Meiosis contributed to genetic \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Meiosis makes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells which are also known as gametes.
3. Human sperm and egg cells have \_\_\_\_\_\_\_ chromosomes.
4. Meiosis is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ division.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occurs before Meiosis.
6. Therefore, chromosomes are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ during DNA synthesis.
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chromosomes are those that are about the same \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and contains the same types of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the same location.
8. When a chromosome does not separate completely or correctly, this is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Dig Deeper (You may need to use your notes or the internet to answer the following.)**

1. During Meiosis \_\_\_\_\_\_, homologous chromosomes are separated.
2. During Meiosis \_\_\_\_\_\_, sister chromosomes line up and are separated.
3. Name the process that takes haploid cells and turns them into mature functioning gametes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. Name the whip-like structure that sperm cells use to swim: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. For females, how many functional gametes are made from each germ cell? \_\_\_\_\_\_\_\_\_