

Name: _____

Date: _____

Mitosis Worksheets

1. What is the karyotype notation for a normal male?
46xy
2. What is a chromatid? **Identical strands of DNA that make up a chromosome**
3. What is a centromere? **Holds the chromatids together**
4. What is a HOMOLOGOUS pair of chromosomes? **2 of the same chromosome, one is from the mother, one is from the father**
5. What is the karyotype notation for a normal female? **46xx**
6. What is the structure of a chromosome in a eukaryotic cell
Rod-shaped In a prokaryotic cell? **Circular, single chromosome**
7. What is a karyotype? How is it prepared and why is it useful?
Pictures of the chromosomes arranged by size, paired up.
Doctors will look for extra or missing chromosomes
8. What are histone proteins?
DNA wraps around h.p.- they help to maintain chromosome shape
9. What is an autosome? **All chromosomes except the sex chromosomes**
10. Where are chromosomes found in a eukaryotic cell?
Inside the nucleus