**Station #2 – Cell Cycle Review- Name That Structure-ANSWERS**

**Each of these questions or statements describes a PHASE of the cell cycle. Write the word on the blank before each statement. Words may be used more than once or not at all.**

interphase cell plate spindle fibres prophase centromere metaphase

anaphase telophase cell plate cytokinesis mitosis cell cycle

chromatid replication chromatin centriole

Centromere 1. What structure attaches the chromosomes to the spindle fibers during mitosis?

Cell plate 2. Name of the barrier in plant cells that forms between the two new daughter cells

just before cytokinesis.

Chromatin 3. Name of the thin, tangled strands of DNA called that are present during interphase.

Cell Plate 4. What forms across the center of a plant cell near the end of telophase?

Centromere 5. What is the name of the structure that connects the two copies of DNA in the double-stranded chromosomes?

Chromatid 6. In a double stranded chromosome connected by a centromere, what is each individual copy of DNA called?

Spindle Fibers 7. What structure forms in prophase and moves the chromosomes?

Centriole 8. What cell part do animal cells use during the cell cycle that plant cells do not

have?