Station #4: Just Mitosis- ANSWERS

1. Interphase telophase prophase anaphase

2. Describe 4 events that occur in prophase.

Nucleolus disappears, nuclear membrane disappears, spindle fibers form,

centrioles form (animal cell only)

3. Describe 2 events that occur in metaphase.

Spindle fibres pull double-stranded chromosomes

Double stranded chromosomes line up in the middle of the cell

4. Describe 2 events that occur in anaphase.

 Spindle fibres contract + shorten

Spindle fibers pull single stranded chromosomes (chromatids) toward opposite poles of the cell

5. Describe 4 events that occur in telophase.

Nucleolus reappears, nuclear membrane forms around each new set of chromosomes, spindle fibers disappear, centrioles disappear (animal cell only)