On line Mitosis Lab Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Slide 1***

Identify the phase [Interphase - Prophase - Metaphase - Anaphase - Telophase] During this phase, Chromosomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Also, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ disappear while the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ re-forms. ***Slide 2***

Identify the phase 1st pic. [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] Identify the phase 2nd pic. [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] Draw each pictured cell in the space below.

***Slide 3***

Identify the phase [ Interphase - Prophase - Metaphase - Anaphase - Telophase ]

During this phase, sister \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are pulled to opposite poles, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Draw the phase pictured in the space below and label each of the structures you answered in the question.

***Slide 4***

Identify the phase [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] Which of the pictures shows the shortest mitosis phase? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Draw the pictured phase and show the equator as a dotted line

     

***Slide 5***

Identify the phase [ Interphase - Prophase - Metaphase - Anaphase - Telophase ]

During this phase, the long, thin\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ coils up and forms into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Also, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ begin to form while the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ membrane begins to dissolve or disappear.

***Slide 6***

Identify the phase 1st pic. [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] Identify the phase 2nd pic. [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] Draw the two cells below.

***Slide 7***

Identify the phase [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] What kind of cell is this? Plant or Animal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ What is the process of the cytoplasm pinching called? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Slide 8***

Identify the phase [ Interphase - Prophase - Metaphase - Anaphase - Telophase ] Is this most likely a plant cell or animal cell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why did you make this choice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***Slide 9***Identify each of the mitosis stages on the onion root tip micrograph

A. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ B. \_\_\_\_\_\_\_\_\_\_\_\_ C. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ E. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Use internet to help answer the last 2 questions

    

How many chromosomes does a human have? \_\_\_\_\_\_\_ Who controls the sex of a human child, the Male or the Female?