Corrected by _____

Mitosis MicroViewer

Answer the following questions from the MicroViewer slides and the accompanying pamphlet.

The equatorial plate (in these slides) of or poles of cell run form to		to	and the
Slide 1: This is a fertilized egg, called a The chromosomes are not seen well stage, because they are very th			
Draw this cell.			
Slide 2: During prophase the chromosom begin to up chromosomes did the sperm sup	b. Which		
Draw the prophase of the cell.			
Slide 3: The chromosomes have moved t center or the equatorial plate of during this phase, called			
Draw this cell and be sure to incl spindle fibers that go from the ce at P to each chromosome.			
Slide 4: What is the difference between s and slide 4. Keep in mind they a metaphase. (hint. meta = middle	are both		
Draw this slide.		/	\frown
Slide 5: In early anaphase each has completed They are also beginning to form groups.	 two		
Draw the cell during early anaph	ase.		

Slide 6: The eight chromosomes are now separated into _____ groups and each group has _____ chromosomes

Draw the late anaphase of the cell.

Slide 7: In telophase the chromosomes have drawn completely apart and the cell is beginning to _____.

Draw telophase of the cell.

Slide 8: In late ______ the original ______ has divided to form two daughter cells. Soon the whole process will start over.

Draw the late telophase of the cell.

You have been looking at cells from an ascaris. Here is some information about the ascaris:

Ascariasis is a human disease caused by the parasitic roundworm Ascaris lumbricoides. Perhaps as many as one quarter of the world's people are infected, and ascariasis is particularly prevalent in tropical regions and in areas of poor hygiene.

Infection occurs through ingestion of food contaminated with feces containing Ascaris eggs. The larvae hatch, burrow through the intestine, reach the lungs, and finally migrate up the respiratory tract. From there they are then reswallowed and mature in the intestine, growing up to 30 cm (12 in.) in length and anchoring themselves to the intestinal wall.

Infections are usually asymptomatic (without obvious symptoms), especially if the number of worms is small. They may however be accompanied by inflammation, fever, and diarrhea, and serious problems may develop if the worms migrate to other parts of the body. ~ Wikipedia

Ascaris nematodes have _____ chromosomes compared to humans which have _____ chromosomes.



