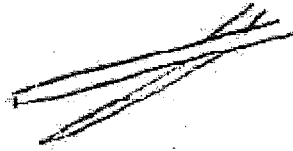


The **cytoplasm** is the region between the cell membrane and the nucleus that includes the fluid and all of the organelles. Throughout the cytoplasm of eukaryotic cells is a **cytoskeleton**. The cytoskeleton is a **network of protein filaments that gives shape and support to the cell. It helps objects move around inside the cell.** The following sketch represents cytoskeleton.

12. Color the cytoskeleton pink.



Answer the following questions using the information from the previous pages.

1. The _____ is the control center of the cell.
2. How many chromosomes are in each human cell: _____
3. What is the function of the chromosomes? _____

4. Where are proteins assembled? _____
5. Describe the function of messenger RNA. _____

6. What structure transports materials through the cell and synthesizes proteins? _____

7. What is the function of the Golgi complex? _____

8. Lysosomes contain chemical substances called _____.
9. What kind of things do lysosomes break down? _____

10. _____ are storage sacs.
11. To assemble proteins and perform other functions, the cell uses _____.
12. Mitochondria produce _____ in a form that the _____ can use.
13. What is the function of the cell membrane? _____

14. Cytoskeleton give _____ and _____ to the cell.