

Lesson 1 - ASSIGNMENT

1. Submit your sketch created during your set task. Create an ordered list of the organelles involved, and give a 1-2 sentence of what role they play. Include in the list the structures/methods involved in transport between organelles.

2. For each of the following, list the structures/features that would distinguish what stage of the cell cycle a cell is in:

- S phase
- Prometaphase
- Anaphase
- Telophase
- Cytokinesis

3. Draw a simple sketch that distinguishes structurally the microfilaments, intermediate filaments and microtubules.

4. Explain how a muscle cell is structurally unique in one paragraph.

5. Define the following terms in 1-2 sentences each:

- Cytokinesis
- Apical
- Chromatin
- Metaphase plate
- Lumen