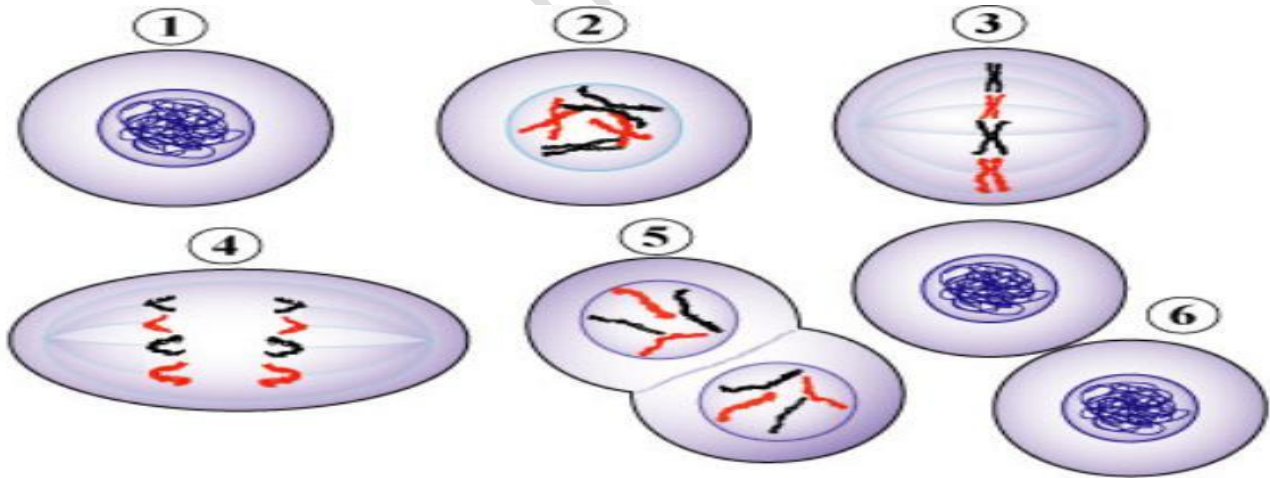


Mitosis 101 Video Notes

Mitosis is _____ reproduction

- Mitosis is the process in which the _____
- Mitosis begins after a _____
- Mitosis creates genetically identical _____
- Draw the diagram that is shown at 2 minutes below:

- The three reasons why Mitosis occurs are _____
- The cell cycle spends most of its time in _____
- What occurs in G1 Phase? _____ S Phase? _____
- G2 Phase? _____
- What occurs in the M phase? _____
- List the phases of Mitosis in order beside each corresponding diagram below:



- Write a mnemonic that will help you remember the phases of mitosis. _____

Check for Understanding 1 – Put the following phases of mitosis in order

Anaphase, Prophase, Telophase, Metaphase, Cytokinesis, Interphase

- | | | |
|----------|----------|----------|
| 1. _____ | 2. _____ | 3. _____ |
| 4. _____ | 5. _____ | 6. _____ |

1. **Interphase** = _____
2. **Prophase** = The chromosomes appear _____
3. **Metaphase** = Thick coiled chromosomes are lined up in the _____ of the cell on the _____. _____ fibers are _____ to the _____.
4. **Anaphase** = The _____ have _____ and are moving toward the _____.
5. **Telophase** = The chromosomes are at the _____ and are becoming more diffuse. The _____ envelope is reforming. The _____ may be _____.
6. **Cytokinesis** = Cell _____ and two new cells are formed.

Animal Mitosis – Label each phase of mitosis for the pictures on the video:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Label each part of Mitosis Below by filling in the spaces beside each letter. Use the numbers to identify specific parts of the cell.

