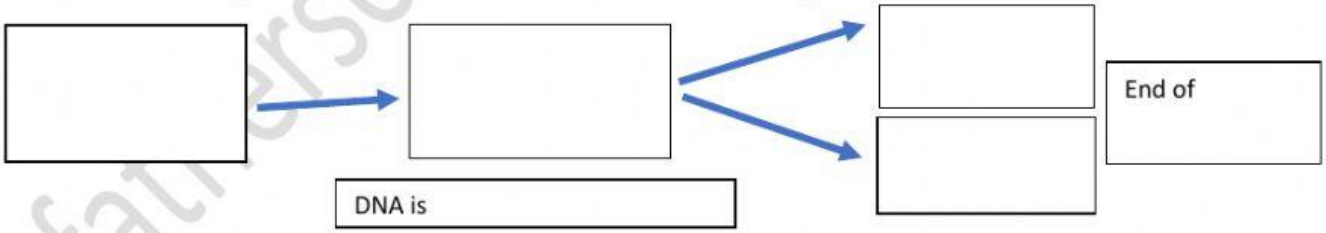
Learning Target: I can describe and explain the process of mitosis and how it leads to genetic Continuity of species.

Mitosis 101 Video Notes

Mitosis is _____ reproduction

- Mitosis is the process in which the _____
  _____
- Mitosis begins after a _____
-
- Mitosis creates genetically identical _____
  _____
- Fill in the diagram that is shown at 2 minutes below in a left to right view:



- 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? _____

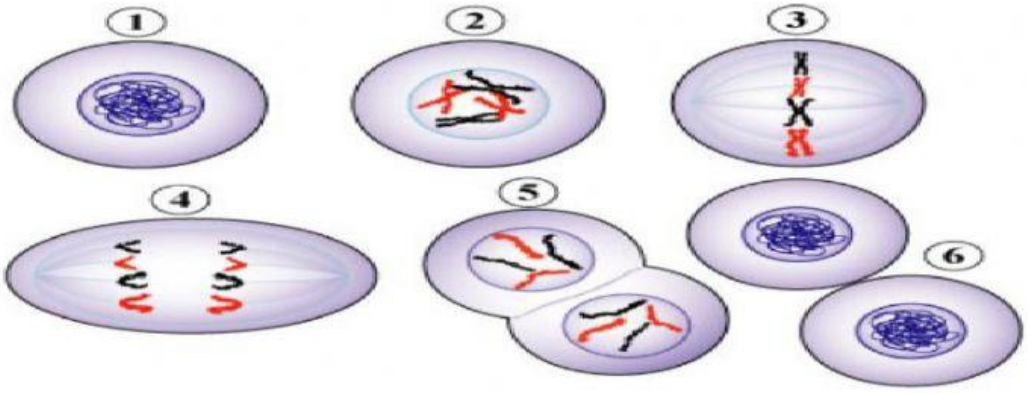
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Learning Target: I can describe and explain the process of mitosis and how it leads to genetic Continuity of species.

- 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. _____

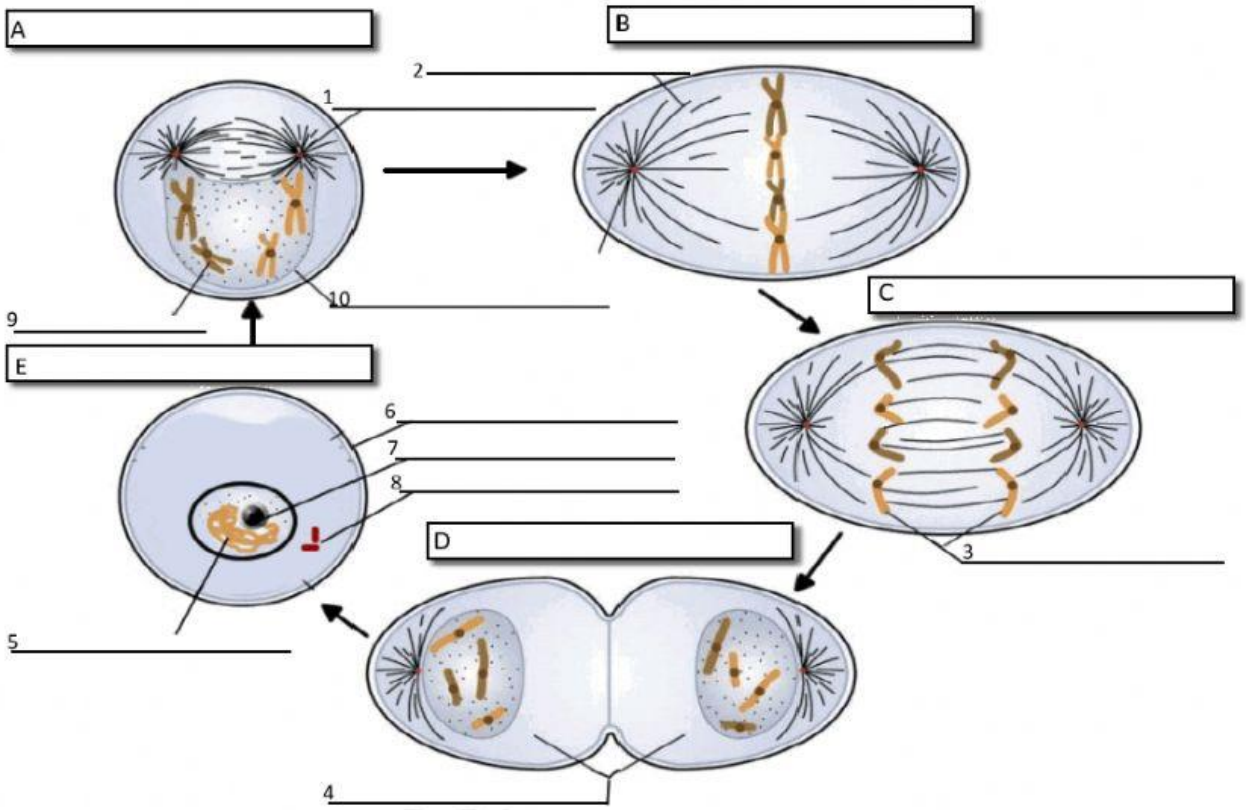
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Learning Target: I can describe and explain the process of mitosis and how it leads to genetic Continuity of species.

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



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