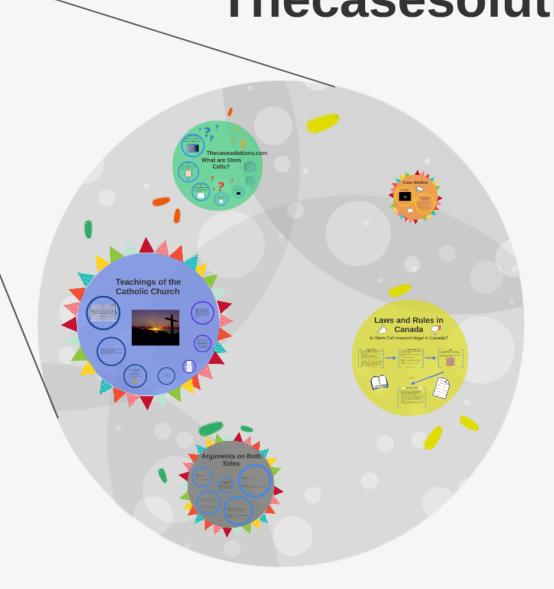
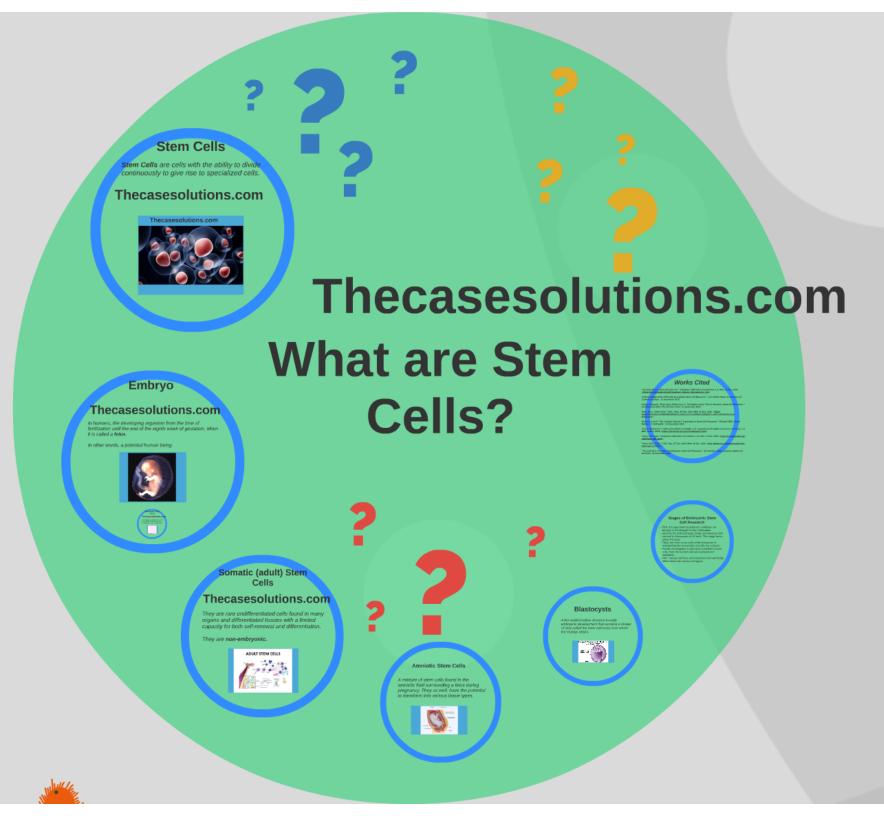
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Teachings of the

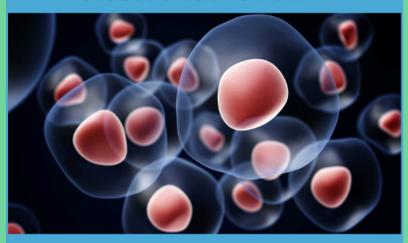


Stem Cells

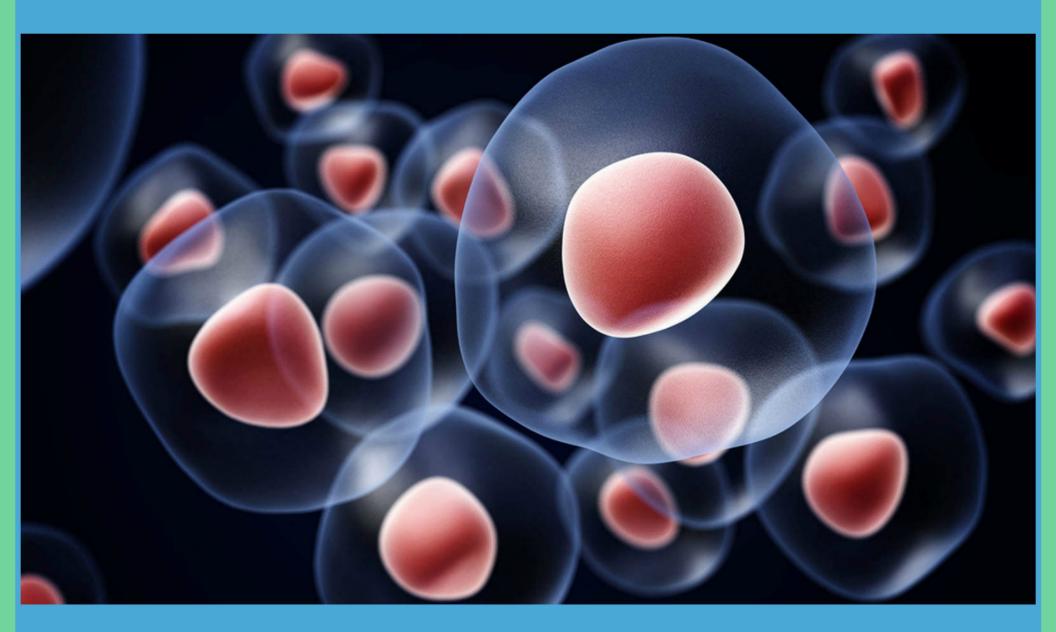
Stem Cells are cells with the ability to divide continuously to give rise to specialized cells.

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Embryo

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In humans, the developing organism from the time of fertilization until the end of the eighth week of gestation, when it is called a **fetus**.

In other words, a potential human being.

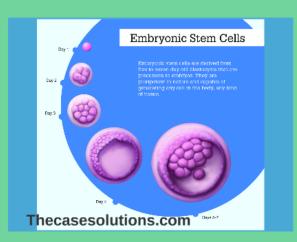




Embryonic Stem Cells

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Primitive cells found in a 5-day old embryo that are capable of dividing without differentiating for a prolonged period, and are known to develop into cells and tissues of the three primary germ layers.



Embryonic Stem Cells

Day 1 Embryonic stem cells are derived from five to seven day old blastocysts that are precursors to embryos. They are Day 2 pluripotent in nature and capable of generating any cell in the body, any kind of tissue. Day 3 Day 4

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Days 5-7

Somatic (adult) Stem Cells

Thecasesolutions.com

They are rare undifferentiated cells found in many organs and differentiated tissues with a limited capacity for both self-renewal and differentiation.

They are **non-embryonic**.

