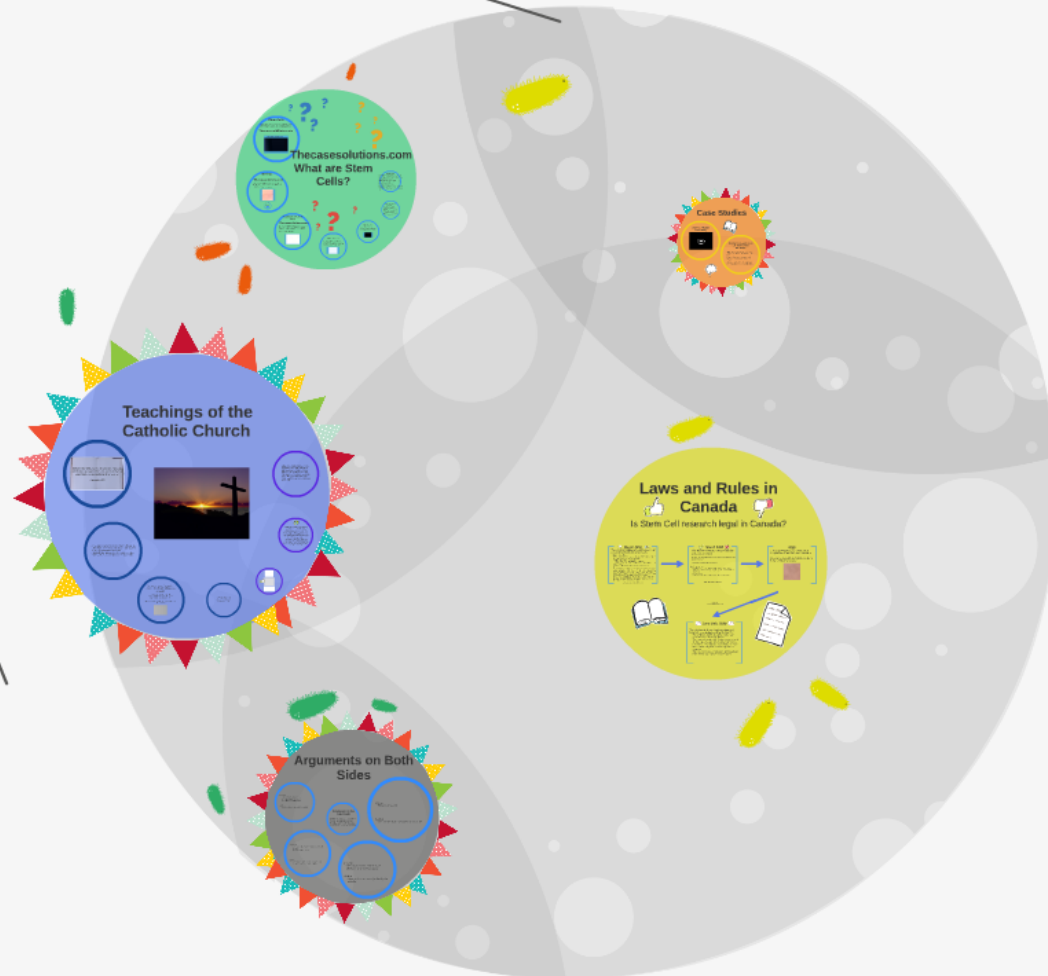
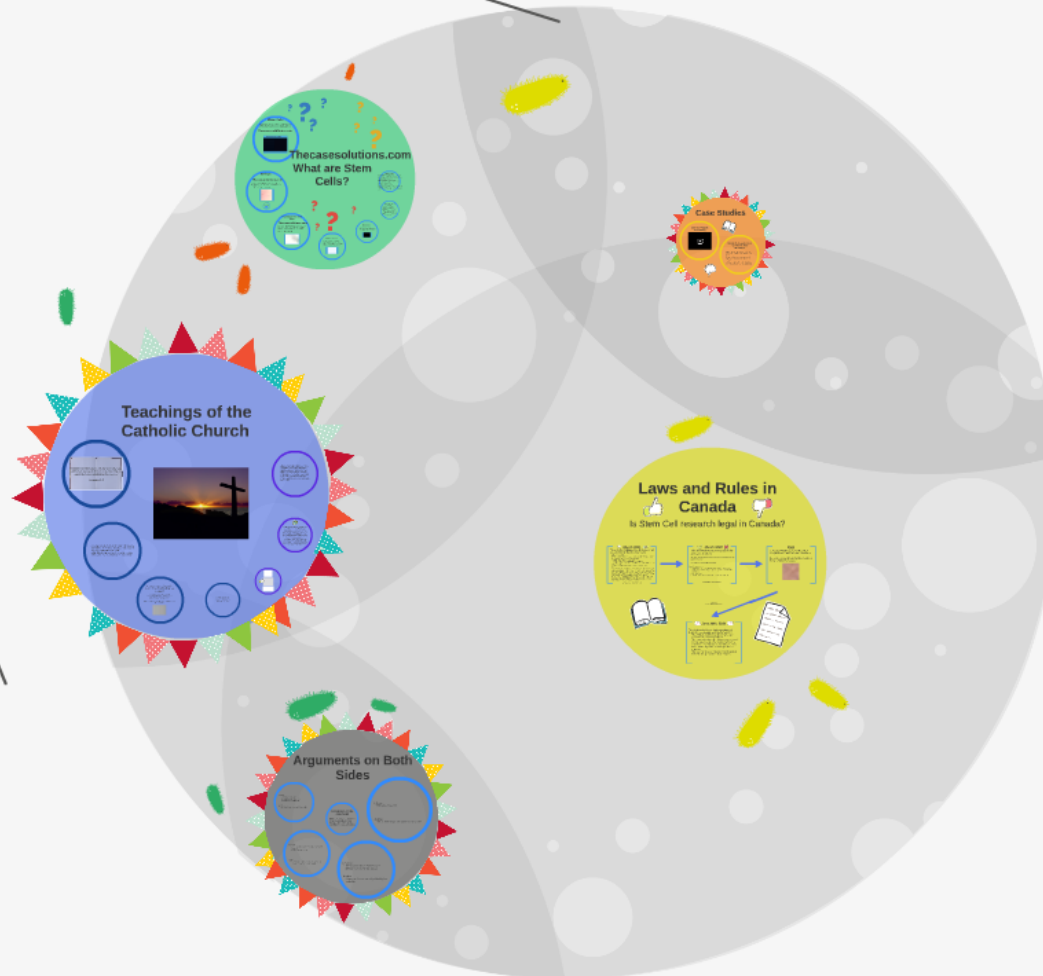


Levendary Cafe: The China Challenge, Spanish Version



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Levendary Cafe: The China Challenge, Spanish Version



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Stem Cells

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

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Thecasesolutions.com What are Stem Cells?

Embryo

Thecasesolutions.com

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.



Works Cited

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Somatic (adult) Stem Cells

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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.



Stages of Embryonic Stem Cell Research

1. Fertilization
2. Cleavage
3. Blastocyst
4. Gastrulation
5. Organogenesis
6. Fetal development
7. Birth

Blastocysts

A hollow sphere of cells that form a cluster of cells called the inner cell mass surrounding the embryo stem.



Amniotic Stem Cells

A mixture of stem cells found in the amniotic fluid surrounding a fetus during pregnancy. They, as well, have the potential to transform into various tissue types.

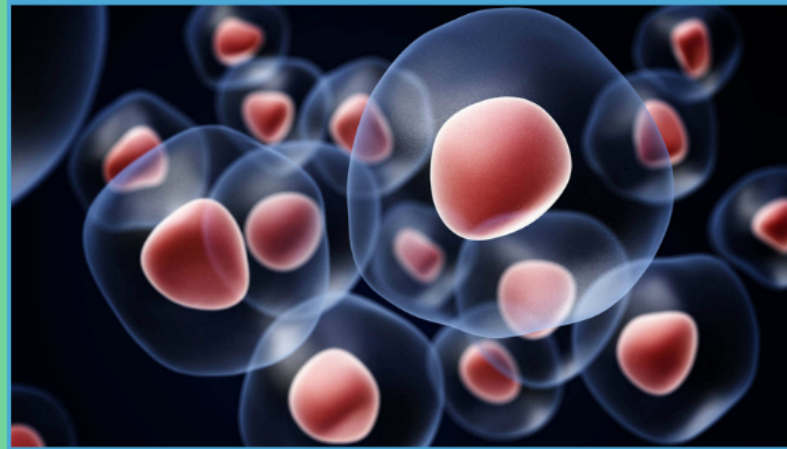


Stem Cells

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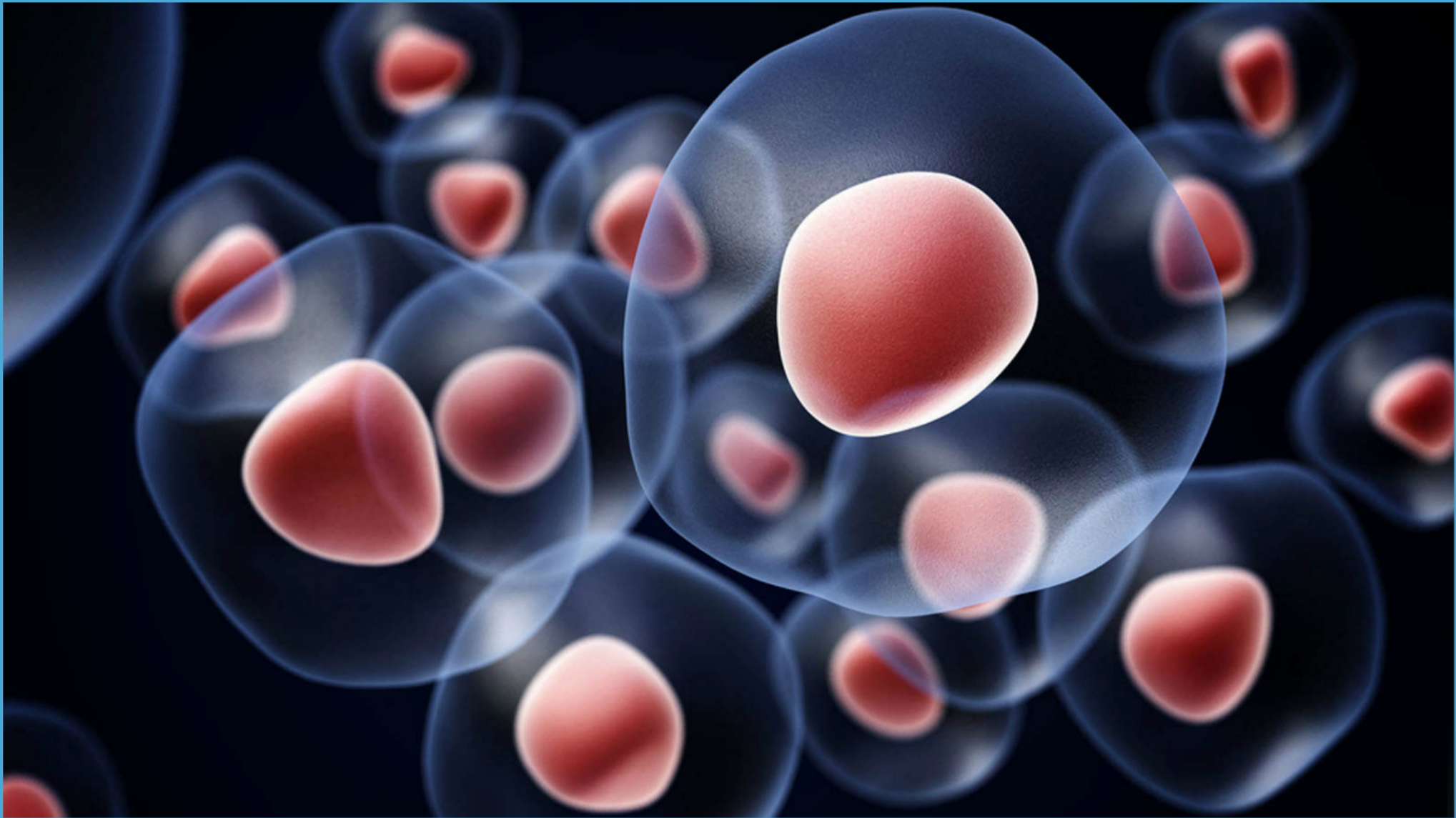
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Embryo

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Embryonic Stem
Cells

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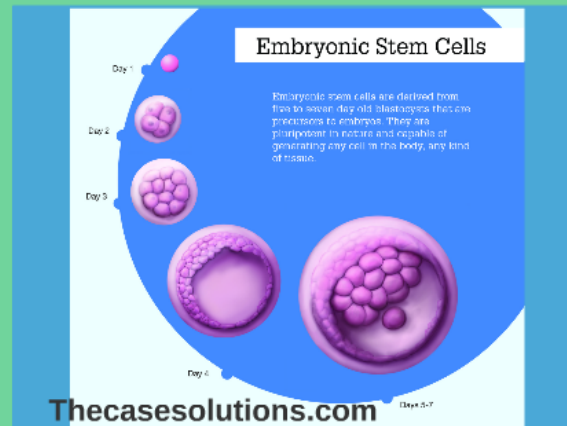
Primitive cells found in a 5 day old embryo that are capable of dividing without differentiating for a prolonged period, and are known to develop into cells and tissues of the three primary germ layers.



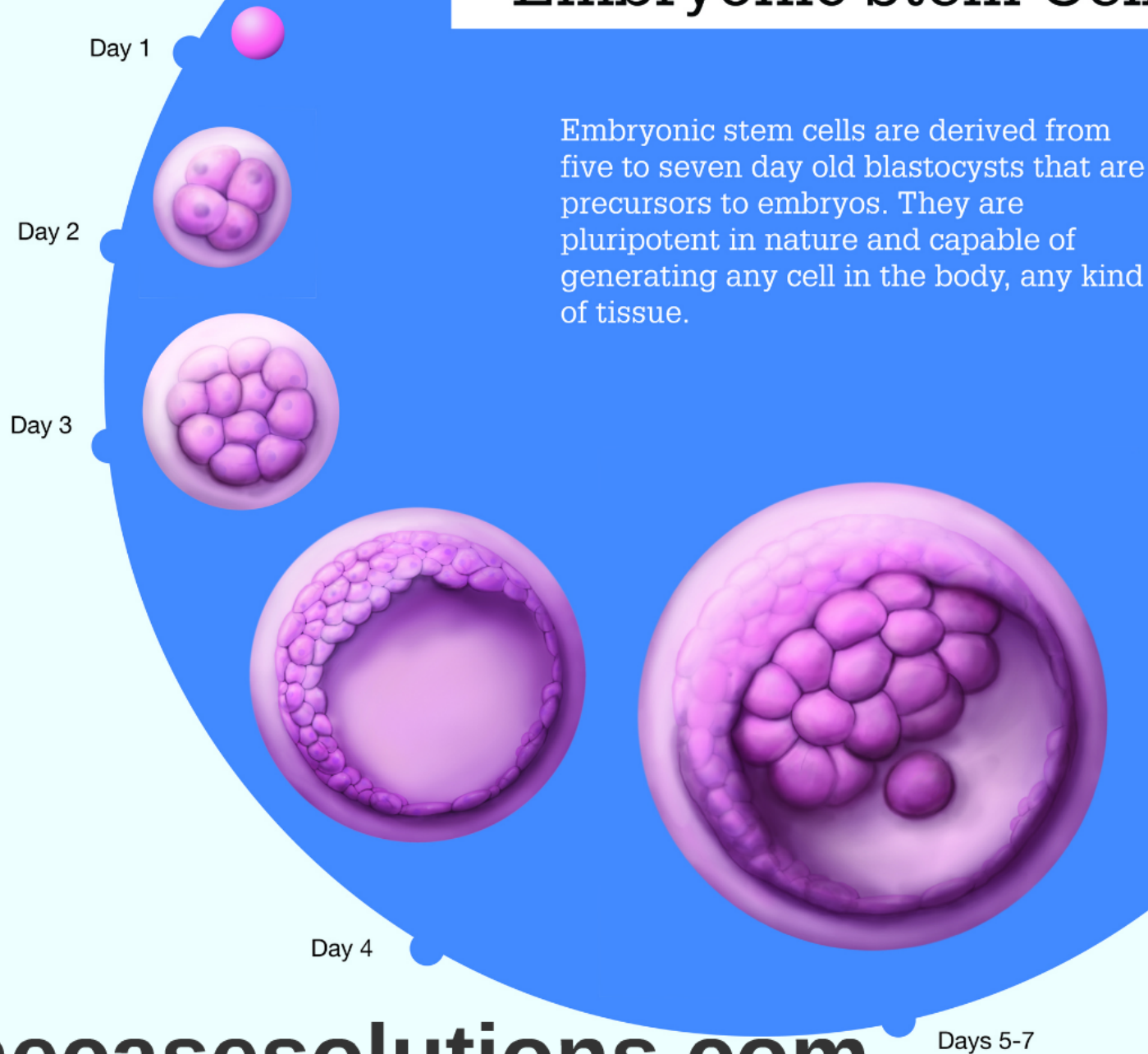
Embryonic Stem Cells

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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



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

Somatic (adult) Stem Cells

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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**.*

