# Study guide: Exponential decay models

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## Exponential decay models appear in a wide range of applications!

Applications are found in physics, biology, chemistry, geology, finance, ...

- Population growth (cells, animals, humans)

- Financial engineering

- Radioactivity

- Waiting times for an event to happen

- Chemical kinetics and biochemistry

- Spreading of diseases

- Compaction of the Earth's crust

- Air/fluid resistance

- Pressure in the atmosphere

- Subproblems when solving PDEs

- ...

**No slides made for this chapter yet ...**