Principle concept: Graphs
Focus Question: What is the definition of a graph?

Graphs ← are synonymous in the text with → Multigraphs

Graphs can be
- The Null Graph
- An Empty Graph
- Simple graphs

Graphs have Vertices and Edges

The Null Graph has no Vertices

An Empty Graph has >=1 Vertices

have has no Edges

Edges connect two possibly indistinct Vertices

Simple graphs have no loops

Simple graphs have no multiple edges

Vertices have distinct Labels

Edges have distinct Labels

Edges can be loops

Edges can be multiple edges