

**KEY FACTS**

- Linnaean hierarchy: Kingdom → Phylum → Class → Order → Family → Genus → Species
- Species: organisms that can interbreed to produce fertile offspring
- Binomial nomenclature: Genus species (e.g. *Homo sapiens*) — italicised
- Modern classification: based on DNA sequences (phylogenetics) — more accurate than appearance
- ★ Three-domain system (Woese): Archaea, Bacteria, Eukarya — based on ribosomal RNA

**KEY TERMS**

<b>Species</b>	Organisms interbreeding to produce fertile offspring
<b>Binomial nomenclature</b>	Two-part Latin name: Genus species (italicised)
<b>Phylogenetics</b>	Classification based on evolutionary relationships and DNA

■ EXAM TIP: Order: King Philip Came Over For Good Spaghetti (Kingdom, Phylum, Class, Order, Family, Genus, Species). Species is the MOST specific level.