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## 1 | Macromolecules

### Scales

**Macromolecules:** Measured on the scale of picometres. Extremely small + at atomic scales.

**Macromolecule Structure:** Measured on the scale of nanometres.

**Organelles + Viruses:** Measured on the scales of hundreds of nanometers

**Cells + Bacteria:** Measured on the scales of micrometers

### “Small Molecules” vs. “Macromolecules”

- Small molecules — < 30-40 atoms
- Macromolecules — > 30-40 atoms, joined by polymerization or just, are, big

### Some Macromolecules!

- [\[KBhBIO101Carbs\]](#)
- [\[KBhBIO101Lipids\]](#)