

## 1 | Vocab

- “Mer”
  - Monomer
    - “One-Body”
    - e.g. Glucose
  - Polymer
    - “Many-Body”
  - Hexamer
    - 6 bodies

## 2 | Cellulose

- Made up of chains
  - Each chain has identical sections that attach to each other to make a chain
- Act as a fiber

## 3 | Polymers

- Each unit is a sugar
- A polymer with  $n$  units has more energy than  $n$  monomers
- On average: **The more units there are, the more energy it contains**
  - Bonds between units store energy
    - Right when the bonds are broken, energy is released
      - Requires energy to break bonds, though
  - Creation of bonds stores energy
    - How lipids work??? [polymer\\_energy\\_diagram.png](#)