

2-21-14 Notes

Biology 3

Proteins are versatile macromolecules that serve as building blocks.

Protein Diversity

Proteins perform a variety of different functions. They all are built the same way from the same raw materials in organisms. Function on their shape.

- 1) Structural - Hair, fingernails, feathers, horns, cartilage, tendons
- Immune System 2) Protective - Help fight invading microorganisms. Coagulate blood.
- 3) Regulatory - Control cell activity, constitute some hormones
- muscles 4) Contractile - allow muscles to contract, heart to pump, sperm to swim
- Circulatory System 5) Transport - carry molecules such as oxygen around your body

* Muscles are paired. One contracts while the other releases.

* electrolyte imbalance causes muscles to cramp/twitch.

* We're a bag of chemical reactions.