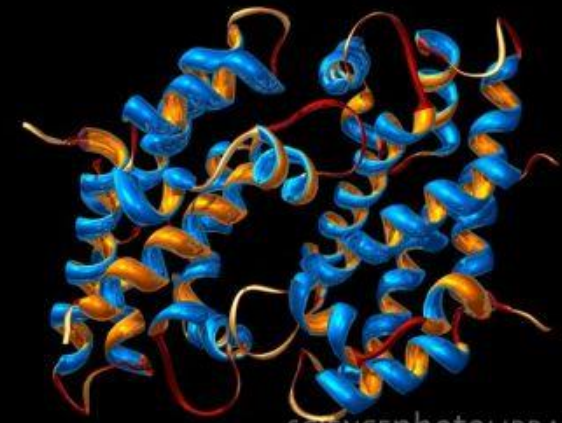


Proteins

Use in the Body

- _____ - _____ chemical
- _____ - Holds _____ in _____
- _____ - _____ and remembers



SCIENCEPHOTOLIBRARY

Food Sources

- Animal → _____, poultry
_____, _____, & Milk
- Plant → _____, _____



Subunit → _____



Proteins: Enzymes

(ends in -_____)

• Enzymes are proteins that _____
_____.

• Enzymes always act upon a _____ (a molecule); such as a _____.

❖ For example, the substrate may be _____ and the enzyme acting upon it and breaking it down into glucose is _____

_____ = Lact _____ = Lact _____

Each enzyme has a
unique and specific _____.

❖ This theory is called...

_____ -
there is only _____

_____ (much like
the pattern of a key and lock)



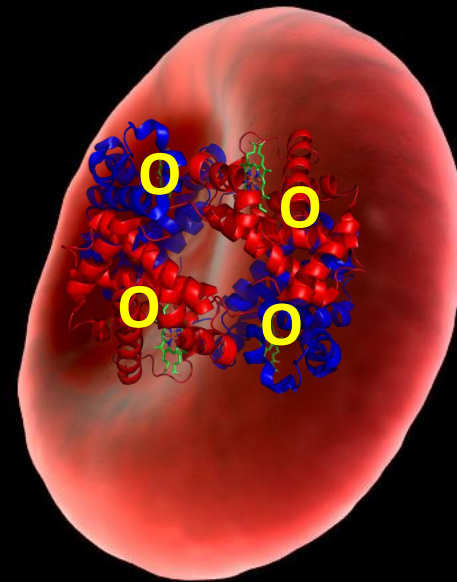
Proteins: Hemoglobin

- Hemoglobin is a protein _____ (RBCs)
and this is what actually _____

- Four oxygen atoms can bond to each hemoglobin (one to each major subunit of hemoglobin)

An RBC doesn't have just one
hemoglobin in it,
it is filled with hemoglobin

**After water is taken out,
nearly all that's left over is
hemoglobin**



Proteins: Antibodies

- Antibodies are _____ and aid the body's _____ by _____ and " _____ " harmful _____ and _____ (antigen)
- Can stay in the body for years and " _____ " _____, this way your body is unaffected by them the second time

How can this idea apply to vaccines?

