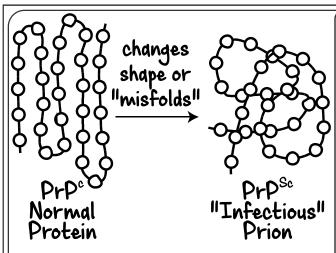
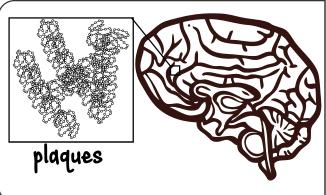
Name: Variety of Viruses: Viruses come in all shapes and sizes • Most viruses are _____ - they use specific proteins on the surface of host cells to infect them. _____ are viruses that infect bacterial DNA cells. Viruses and Human Health: capsid Some viruses can cause serious human ___ sheath _____ can help prevent viral infection. - fibers • When you get a vaccine from your doctor, the doctor injects you with ______ viruses, often just the _____ of the virus. This can help your body learn how to fight a virus before you're actually infected with that type of _____ during your lifetime. Genetic Information: • Vaccines have very low ____ and studies have Some viruses have ____ and some shown they do NOT cause _____ (which have ____ as their genetic material, is one of the common myths) the instructions they use to tell a host cell's machinery to build new Capsid: Viruses have a _____ layer called the capsid that protects their Viral Envelope: Some viruses have a _____ membrane around their capsid called the _____ . On the surface of the viral envelope, there can be _____ _____ attached to _____, capsid viral that help the virus attach to host envelope glycoprotein cells. o bełhany läu





The Kuru Story:

• Scientists discovered a prion disease called _____, which was common in the early 1900s in the Fore tribe in Papua New Guinea.

• The Fore Tribe was a ______ tribe that would eat their relative's _____ when they died. Scientists and doctors discovered that the _____ were being spread by eating infected tissue.

The Mistolding Problem:
The Mistolding Problem:

• In our _____ cells, a protein called the PrP protein is produced. Scientists don't know what it actually does normally in our _____.

• Normally this protein is _____ a particular way and this fold is called isoform PrP°.

 \bullet Rarely, this protein can ____ and get stuck in an isoform called $\text{Prp}^{\text{Sc}}.$

• This PrPsc is quite _____ as compared to other proteins, and sticks to other PrPc, forcing them to also change structure to form more PrPsc.

As more and more Prpsc stick to each other and build up in the cell, long fibers and _____ build up in the cells and tissues in the _____ or the nervous system.

Prions are known to cause several neurological disorders including scrapie, _______, and human

• Prion can be spread by _____ infected tissue, making this a unique case of infectious protein.

