Washing your hands with **soap** and water for **20 seconds** is enough time for the fat envelope to dissolve and the virus to fall apart.

The coronavirus that causes COVID-19 is **wrapped** in an envelope of **fat**.

The layer of **fat is dissolved by soap**; when it is dissolved, the **virus falls apart** into useless pieces.

The **temperature** of the water doesn’t matter.

The **kind of soap** doesn’t matter—no need for it to be antibacterial or have special characteristics.

Washing your hands with **soap for 20 seconds** is enough time for the **fat envelope to dissolve** and the **virus to fall apart**.

Once the virus falls apart, it can **no longer infect you or others**.

**COLORADO STATE UNIVERSITY**