

@ HOME SCIENCE DISCOVERY MISSIONS – Drunk Egg (denaturation of proteins)

What Do We Need?

- An egg white
- Alcohol (we used vodka, but it could be any type of alcohol)
- A cup or a bowl
- A teaspoon



Protocol

1. Separate the white from the yolk and put the egg white in the cup/bowl (*we will need only the white*).
2. Start pouring the alcohol and at the same time stir with the teaspoon.
3. Pour alcohol until you see small rags to be obtained. These are the already destroyed proteins.

Learn more!

Video here:
<https://youtu.be/hwZPb1uQqmY>



YOUR MISSION REPORT

- *How else can you denature proteins?*
- *Where else in our daily routine do we use the protein denaturation? Can we somehow replace it?*
- *How does this affect our health if it is not within the normal range?*
- *Where do you find science in this mission?*

Did you know?

Hair is made up of a protein called keratin, which forms a helical shape. This protein has sulphur bonds, and the more sulphur links it has, the curlier a person's hair will be.

Student feedback - How did you like this mission?



not at all



not much



a bit



liked it



liked it a lot



liked it best

Family feedback - How did you like this mission?



not at all



not much



a bit



liked it



liked it a lot



liked it best

Did you use the 'Learn more!' resources?

Yes

No

What was good/bad about this mission?