

HEAVY WATER

<http://www.youtube.com/watch?v=hUVzb0fzHsk&feature=related>

1. Watch the film and complete the sentences:

- a. Most exist in more than one form.
- b. These different forms are called
- c. Deuterium has a proton and a neutron with an electron around.
- d. About one atom in every seven thousand atoms of hydrogen is in this
- e. It's a very old of D_2O .
- f. Tritium is, so it's not used very widely, unless you are trying to make
- g. Heavy ice should in liquid water.
- h. of D_2O is different from that of ice.

2. Answer the questions:

- a. What is the difference between a neutron and a proton?
- b. When will you get pure deuterium oxide?
- c. Why does the ice float on the top of drinks?
- d. Why is it a problem to make D_2O ?