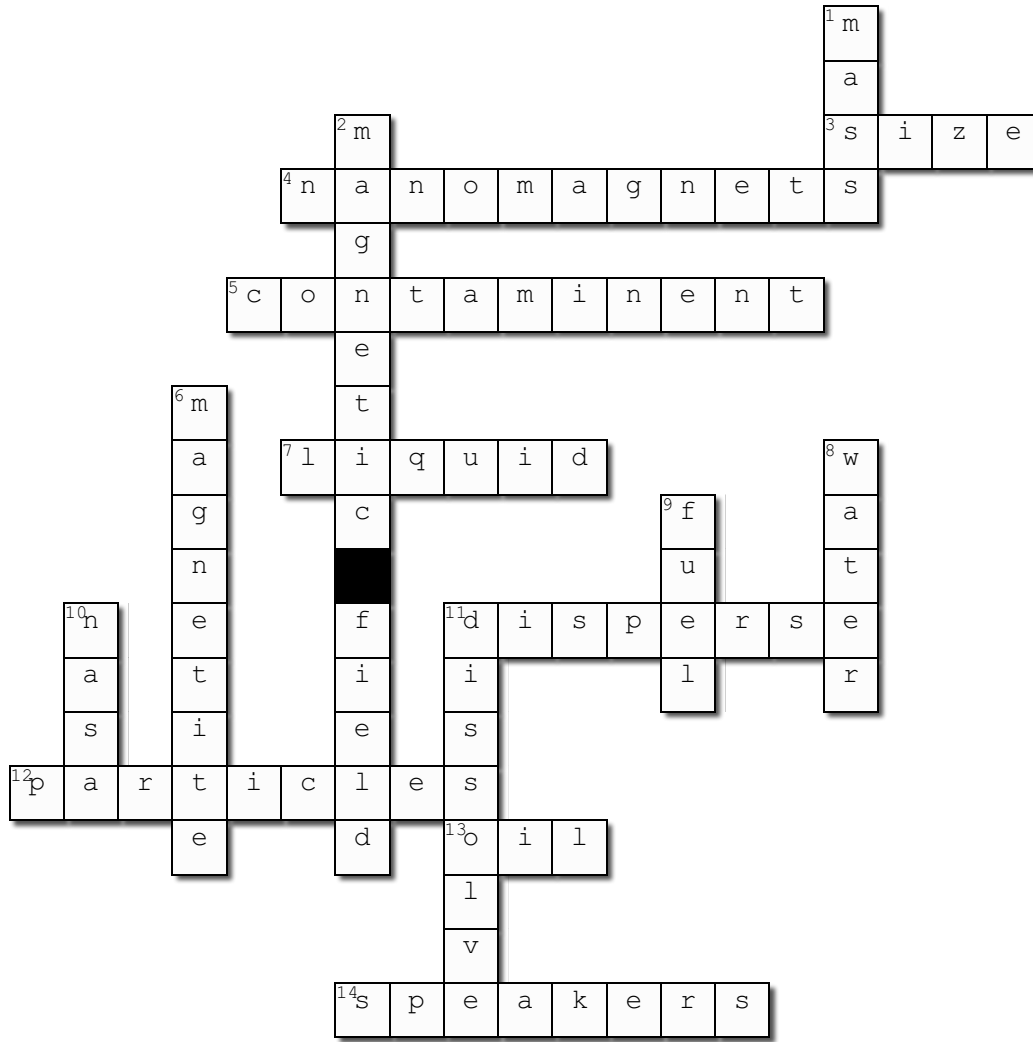


Name: \_\_\_\_\_

# Ferrofluids

Complete the crossword puzzle below: Watch the video (it is the same as the title) to help find some of the words and definitions, they will be hard without watching them! Certain answers are two words so they will have spaces (black squares).



Created using the Crossword Maker on TheTeachersCorner.net

- oil speakers size disperse Nanomagnets liquid magnetite dissolve water fuel particles magnetic  
field mass contaminant nasa

## **Across**

3. The dimensions of something; how big it is. (**size**)
4. Ben mentions them early on in the video; they are tiny magnets usually made out of magnetite. (**nanomagnets**)
5. Something that pollutes another thing or makes it impure; starts with a 'c'. (**contaminant**)
7. A very flowy substance that has a defined volume; water is a \_\_\_\_\_. (**liquid**)
11. Another word for 'spreading out'. (**disperse**)
12. The tiny bits that make up matter; starts with a 'p'. (**particles**)
13. A very common liquid that you use for cooking, frying especially! It does not mix with water. (**oil**)
14. A sound source that is used to play audios out loud. (**speakers**)

## **Down**

1. Another word for the weight of something. (**mass**)
2. According to Ben, the particles in the ferrofluid line up to imitate the \_\_\_\_\_. (**magnetic field**)
6. The most magnetic naturally occurring mineral on Earth. (**magnetite**)
8. Something that you need to drink everyday in order to stay healthy. (**water**)
9. A material that is used for power. (**fuel**)
10. The agency famous for its study of space and aeronautics. (**nasa**)
11. Another word for breaking down or melting together. (**dissolve**)