

+7

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KEY

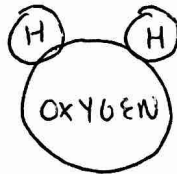
### QUESTION SET 1.3: THE SMALLEST PIECES OF WATER

1. What are the smallest pieces of water called? What are these smallest pieces made of?

+2 Molecules, which are made of atoms

2. Draw a picture of a water molecule and label the atoms in it.

+1

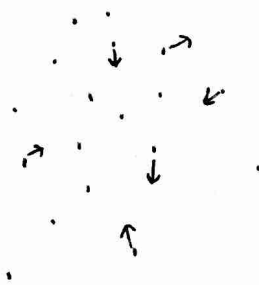


H = Hydrogen

3. Suppose you saw a tiny speck of dust floating in a drop of water. Draw a picture to show how the size of the speck of dust compares to the size of water molecules.

+1

DUST



TRILLIONS  
of water  
molecules could  
fit inside 1  
speck of dust!

4. Draw arrows in the picture you drew above to show how the water molecules are moving.

+1

5. My friend said that if you froze some water into ice, then let the ice sit completely still in the freezer, the water molecules would eventually slow down and stop moving. Was my friend right? Explain your answer.

+2

NO! All molecules are always moving,  
even molecules in a solid. ~~molecules~~  
~~in a solid~~ vibrate.