Name	_Pd	_ Date			
Water, water everywhere and why is it so cool?					
Whenever we talk about life and whether where the survive!" And that's water is so important, and what it at A Unique Substance, let's get into what it at a survive substance, let's get into whether where we will be substance.	certainly to	true—alth	nough we repeat	those things with	out knowing why
The Chemical Composition and S Materials: Clay and straws Introduction Many of you know the chemical comeans. And, you often write it incomeans. Okay—what do the H and O stand	mpositior rectly wh	n of water nen you c	: H₂O. Although, opy it: H²O. That	's wrong, and I'll	explain why later.
know which retain distinct propertie hydrogen atoms. "O" means that it chemistry is to use a subscript (a nothere is more than one atom of an experiment one molecule. Procedure	s. H is hy is unders umber be	ydrogen, stood that elow the li	the O is oxygen. there is only one ine) inside a mole	How many of eace oxygen atom. The cule when we was	ch? "H ₂ " means two he way we do it in ant to indicate that
Now you're going to build a water not also to be sold a water not also to represent the straw pieces put the atoms.	esent hyd nch in dia	drogen, a ameter. M	nd another to rep lake 2 oxygen ba	resent oxygen.	
			Key: Small balls are h Larger balls are o		
The angle between the stra 4. Now, because of the properties of a magnet. What are the poles of 5. Which poles of the magnet attract Which poles of the magnet repel	of oxyger a magne ot each of	and hyd et? ther?		·	
We can state this as a law: Like charges	each oth	ıer; unlike	charges	each o	ther.
The same is true of water molecules hydrogen ends of the molecules Which will attract each othe	are posit	ively cha	rged (+).	J	, ,
7. Now bring the water molecules to other next to each other. Draw you	ogether–	-showing	the ends of the r	molecules which	should attract each
You've learned about surface tension why it takes a lot of energy to heat If water wasn't like that, it wouldn't	it up, why	y so many	y things dissolve	in it, why it sticks	
A cool demonstration: (and yes, Up front there is a cup of water. Ho				vithout the water	spilling over?