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Protecting the blue planet

## Blue Impact: Thermal Expansion Student Sheet

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Answer the following questions while watching the New England Aquarium's Blue Impact Thermal Expansion: Dance of the Rising Oceans video. It is a good idea to read all the questions before stions.

Diaw a wa	ter molecule ir	the box belo	w.		
n the box	below, draw 10	0 water molec	ules below and	arrange them a	s if they were o

3. In the box below, draw 10 water molecules below and arrange them as if they were warm.
4. Which is more dense?
a. cold water molecules
b. warm water molecules
c. they are the same
5. Which molecules vibrate faster?
a. cold water molecules
b. warm water molecules
c. they move the same
6. When do water molecules take up more room?
a. when they are warm
b. when they are cold
c. temperature does not impact the amount of space the molecules take up

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