Ice Observations

Ice cube #1

What I see	What this means
Before food coloring…	
After food coloring…	

Ice cube #1, before addition of food coloring

Ice cube #1, after addition of food coloring

- Do you think this ice cube is made of salt water or fresh water? _____
- Why?

Ice cube #2, before addition of food coloring

Ice cube #2, after addition of food coloring

Ice cube #2

What I see	What this means
Before food coloring…	
After food coloring…	

- Do you think this ice cube is made of salt water or fresh water? _____
- Why?

Salinity Taste Test

The water in the pores and channels of sea ice is quite salty. Even more, how salty the water in the channels and pores is depends on where you are in the sea ice (closer to the bottom of the ice or closer to the top, for instance). Do a taste test to decide which water you think represents the water that exists in the following places. Mark you predictions in the table below.

Water Type	Solution color
Arctic Lake Water	
Arctic Ocean Water	
Brine in the bottom horizons of Arctic Sea Ice	
Brine in the top horizons of Arctic Sea Ice	

What led you to make each of these matches?