

# AIR

Name \_\_\_\_\_

## Part D: Non-Gas forms of each of the elements of the air:

Any gas can be condensed into a liquid and frozen into a solid.  
For three of the components of air, we can do that in *this room*.

| Gas Form       | Liquid Form     | Solid Form    |
|----------------|-----------------|---------------|
| Nitrogen       | Liquid Nitrogen |               |
| Carbon Dioxide | NA              | Dry Ice       |
| Water Vapor    | Water           | Ice (wet ice) |

Which elements of the air are *possible* to change into liquids and solids?

Which elements of the air can we change into liquids and solids easily in this class?

### *Dry Ice Questions*

Why is dry ice called *dry* ice? [What makes it different from normal ice?]

Is it safe to breath the vapors coming out of dry ice:

Are the vapors colder or *warmer* than the air around them? How can you tell?