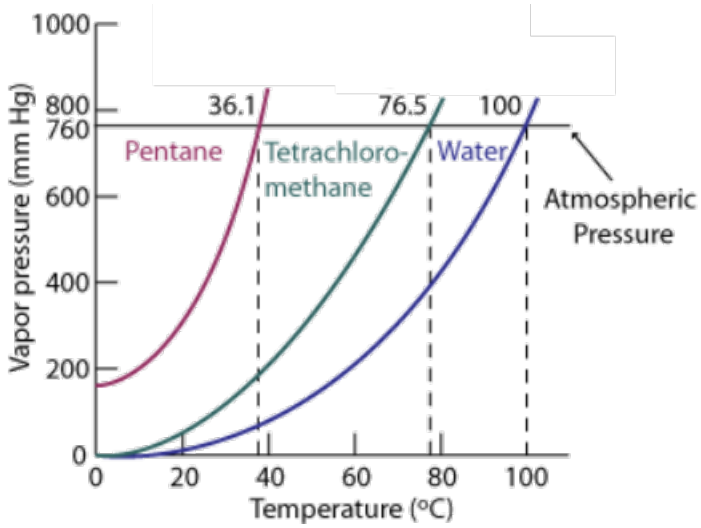
Quiz 8.3 – Liquids and Solids

Name: _____

Question 1

Use the chart of vapor pressures below to determine the chemical compound with the *weakest* intermolecular forces, and find the boiling point of that compound if the ambient barometric pressure is $400\ mmHg$



Question 2

Below are qualitative descriptions of five solids. Classify each solid as amorphous, ionic crystalline, molecular crystalline, metallic crystalline, or covalent network solid

- This solid has a high melting point and conducts electricity in both the liquid and solid phases
- This solid is an electrical insulator, and becomes soft and pliable over a temperature range rather than exhibiting a sharp melting point
- This solid is composed entirely of non-metal atoms. It has a very high melting point and is very hard. It does *not* easily cleave along planes
- This solid is an insulator in both the solid and liquid phases. It has a moderate melting point
- This solid is an insulator, but conducts electricity when melted. It has a high melting point. The solid easily cleaves along planes

No Man Is an Island

John Donne

No man is an island, entire of itself;
every man is a piece of the continent,
a part of the main.
If a clod be washed away by the sea,
Europe is the less,
as well as if a promontory were,
as well as if a manor of thy friend's
or of thine own were.
Any man's death diminishes me,
because I am involved in mankind;
and therefore never send to know
for whom the bell tolls;
it tolls for thee.