STIRLING TUITION

Q1-Q2 (Temperature Change) Day 120 Name:

1. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Melting Point ^{o}C**
Mercury	-39
Bromine	-7
Francium	27

a) Which **substance** has the **lowest** melting point? Write your answer in the space below.

_____

b) Room temperature is **17^{o}C. How many degrees** is this **above** the melting point of **Bromine**? Write your answer in the space below.

_____ ^{o}C

2. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Melting Point ^{o}C**
Radon	-71
Chlorine	-101
Sea Water	-2

a) Which **substance** has the **highest** melting point? Write your answer in the space below.

_____

b) Room temperature is **15^{o}C. How many degrees** is this **above** the melting point of **sea water**? Write your answer in the space below.

_____ ^{o}C

3. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Melting Point ^{o}C**
Canola Oil	-10
Argon	-189
Nitrogen	-210

a) Which **substance** has the **second lowest** melting point? Write your answer in the space below.

_____

b) Room temperature is **12^{o}C. How many degrees** is this **above** the melting point of **canola oil**? Write your answer in the space below.

_____ ^{o}C

4. Look at the table below. It shows the **boiling points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Boiling Point ^{o}C**
Oxygen	-218
Freon	-29
Neon	-249

a) Which **substance** has the **lowest** melting point? Write your answer in the space below.

_____

b) Room temperature is **19^{o}C. How many degrees** is this **above** the boiling point of **freon**? Write your answer in the space below.

_____ ^{o}C

5. Look at the table below. It shows the **boiling points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Boiling Point ^{o}C**
Butane	-1
Helium	-272
Cesium	29

a) Which **substance** has the **highest** melting point? Write your answer in the space below.

_____

b) Room temperature is **25^{o}C. How many degrees** is this **above** the boiling point of **butane**? Write your answer in the space below.

_____ ^{o}C

6. Look at the table below. It shows the **boiling points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Boiling Point ^{o}C**
Helium	-269
Hydrogen	-253
Neon	-6

a) Which **substance** has the **second highest** melting point? Write your answer in the space below.

_____

b) Room temperature is **19^{o}C. How many degrees** is this **above** the boiling point of **neon**? Write your answer in the space below.

_____ ^{o}C

7. Look at the table below. It shows the **boiling points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Boiling Point ^{o}C**
Carbon Dioxide	-57
Fluorine	-188
Argon	-186

a) Which **substance** has the **lowest** melting point? Write your answer in the space below.

_____

b) Room temperature is **17^{o}C. How many degrees** is this **above** the boiling point of **carbon dioxide**? Write your answer in the space below.

_____ ^{o}C

8. Look at the table below. It shows the **boiling points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Boiling Point ^{o}C**
Propane	-42
Krypton	-153
Xenon	-108

a) Which **substance** has the **highest** melting point? Write your answer in the space below.

_____

b) Room temperature is **15^{o}C. How many degrees** is this **above** the boiling point of **propane**? Write your answer in the space below.

_____ ^{o}C

9. Look at the table below. It shows the **boiling points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Boiling Point ^{o}C**
Nitric Acid	-42
Chlorine	-253
Bromine	50

a) Which **substance** has the **second lowest** melting point? Write your answer in the space below.

_____

b) Room temperature is **21^{o}C. How many degrees** is this **above** the boiling point of **nitric acid**? Write your answer in the space below.

_____ ^{o}C

10. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Melting Point ^{o}C**
Mercury	-39
Bromine	-7
Francium	27

a) Which **substance** has the **lowest** melting point? Write your answer in the space below.

_____

b) Room temperature is **13^{o}C. How many degrees** is this **above** the melting point of **mercury**? Write your answer in the space below.

_____ ^{o}C

11. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Melting Point ^{o}C**
Radon	-71
Chlorine	-101
Xenon	-112

a) Which **substance** has the **highest** melting point? Write your answer in the space below.

_____

b) Room temperature is **23^{o}C. How many degrees** is this **above** the melting point of **radon**? Write your answer in the space below.

_____ ^{o}C

12. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in ^{o}C.

Substance	**Melting Point ^{o}C**
Krypton	-157
Argon	-189
Nitrogen	-210

a) Which **substance** has the **second highest** melting point? Write your answer in the space below.

_____

b) Room temperature is **17^{o}C. How many degrees** is this **above** the melting point of **nitrogen**? Write your answer in the space below.

_____ ^{o}C

STIRLING TUITION

Answers

1. **a) Mercury b) 24**
2. **a) Sea Water b) 17**
3. **a) Argon b) 22**
4. **a) Neon b) 48**
5. **a) Cesium b) 26**
6. **a) Hydrogen b) 25**
7. **a) Fluorine b) 74**
8. **a) Propane b) 57**
9. **a) Nitric Acid b) 63**
10. **a) Mercury b) 52**
11. **a) Radon b) 94**
12. **a) Argon b) 227**