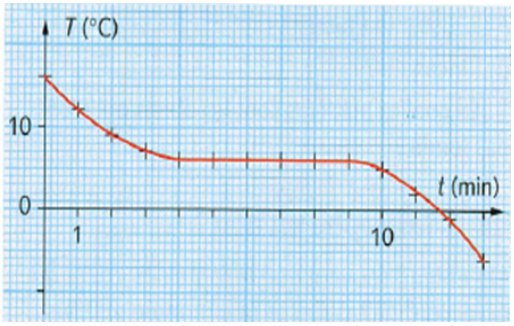
English translation of "t-T-lesson9-quiz"
on the exploitation of a graph of the change of state



Q1. What are the **magnitudes** represented on each axis? (2 answers)

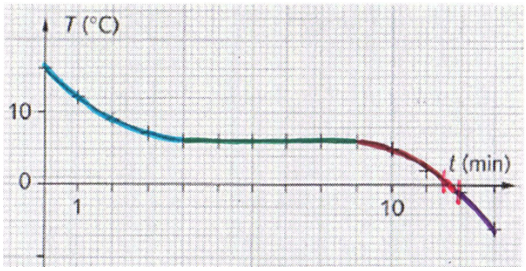
1. In ordinate (upward), the time in minutes;
2. In ordinate (upward), the temperature in Celsius degrees;
3. In ordinate (upward), the state of the matter;
4. In abscissa (rightward), the time in minutes;
5. In abscissa (rightward), the temperature in Celsius degrees;
6. In abscissa (rightward), the state of the matter;
7. Else.

Q2. **How long** is the experience?

1. The experience lasts 11,5 min;
2. The experience lasts 10 min;
3. The experience lasts 16 °C;
4. The experience lasts 13 min.

Q3. How does the *temperature* **vary** between 16 °C and -6 °C? (2 answers)

1. The temperature does not change (it remains the same);
2. The temperature changes;
3. The temperature increases;
4. The temperature decreases;
5. Else.



Q4. Which *part of the curve* represents the **temperature plateau**?

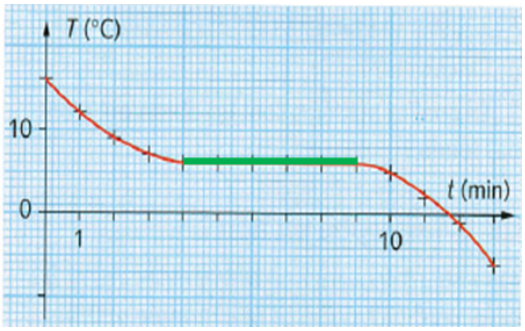
1. The blue part;
2. The green part;
3. The red part;
4. The brown, red and purple parts;
5. Else.

Q5. Which *part of the curve* represents the **change of state**.

1. The blue part;
2. The green part;
3. The red part;
4. The brown, red and purple parts;
5. Else.

Q6. Which **minute** does the *change of state* begin?

1. The change of state begins at 1 min;
2. The change of state begins at 4 min;
3. The change of state begins at 6 min;
4. The change of state begins at 9 min;



5. Else.

Q7. **How long** is the *change of state*?

1. The change of state is instantaneous (it lasts 1 second);
2. The change of state lasts 5 min;
3. The change of state lasts 4 min;
4. The change of state lasts 11,5 min;
5. Else.

Q8. At what **temperature** does the state *change*?

1. The temperature of the change of state is 0 °C;
2. The temperature of the change of state is 4 °C;
3. The temperature of the change of state is 6 °C;
4. The temperature of the change of state is 11,5 °C;
5. Else.

Q9. What is the **physical state** of the substance at the beginning of the experience?

1. The achromatic liquid is hot;
2. The achromatic liquid is transparent;
3. The achromatic liquid is liquid;
4. The achromatic liquid is gaseous;
5. Else.

Q10. What is the **state** of this substance at the end of the experience?

1. The substance is cold;
2. The substance is transparent;
3. The substance is liquid;
4. The substance is solid;
5. Else.

Q11. Is this substance **water**?

1. **Yes**, this substance is water **because** the change of state of the water occurs with a temperature plateau;
2. **Yes**, this substance is water **because** the shift from the liquid state to the solid state occurs at 6 °C;
3. **Yes**, this substance is water **because** the shift from the liquid state to the solid state occurs at 0 °C;
4. **No**, this substance is not water **because** the shift from the liquid state to the solid state occurs at 0 °C ;
5. Else.