



Subject: Grade 10 Geography
Topic: Geography: Term 1 - Mini-Exam
Total: 42 Marks

Name: _____

Date: _____

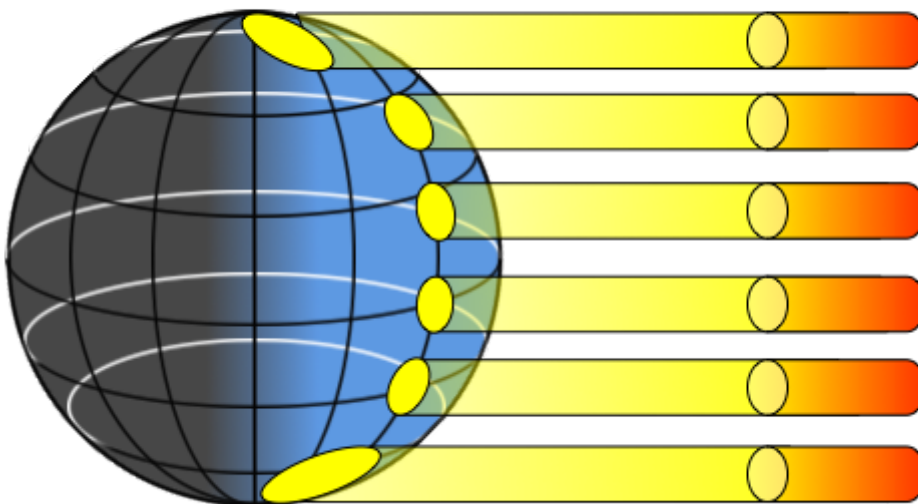
Question 1: Multiple Choice

2 marks

Which gas is the most abundant greenhouse gas?

- | | |
|----------|----------------|
| A | Carbon Dioxide |
| B | Nitrogen |
| C | Water Vapour |
| D | Methane |
| E | CFCs |

This image refers to question: 2



Question 2: Multiple Choice

4 marks

Which factor mainly controls how much insolation a place receives?

- | | |
|----------|------------------|
| A | Humidity |
| B | Angle of the Sun |
| C | Air pressure |
| D | Wind speed |



Question 3: True/False

2 marks

Warm air is more dense than cold air.

Question 4: True/False

2 marks

The troposphere is the layer where most of Earth's weather takes place.

Question 5: True/False

2 marks

The greenhouse effect is always a harmful process.

Question 6: Multiple Choice

4 marks

Which process transfers heat through rising warm air?

- | | |
|----------|------------|
| A | Conduction |
| B | Convection |
| C | Radiation |
| D | Reflection |

Question 7: True/False

2 marks

Temperature increases with height in the stratosphere.

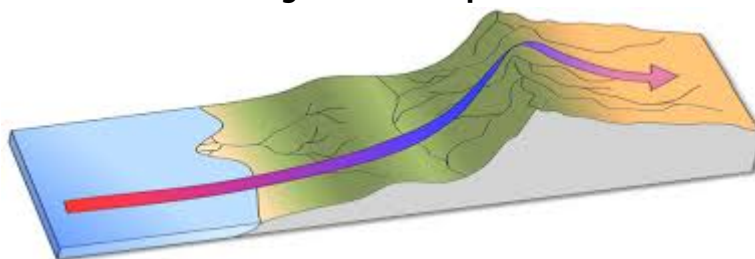
Question 8: Multiple Choice

4 marks

Which of the following is the best evidence that climate change is occurring?

- | | |
|----------|-------------------------------------|
| A | One unusually hot summer |
| B | Long-term global temperature trends |
| C | One year of drought |
| D | A single storm event |
-

This image refers to question: 9

**Question 9: Multiple Choice**

4 marks

Which process is responsible for rainfall on the windward side of a mountain?

- | | |
|----------|-------------------|
| A | Convective Uplift |
| B | Frontal Uplift |
| C | Orographic Uplift |
| D | Conduction |
-

Question 10: True/False

2 marks

Ozone protects life by absorbing harmful ultraviolet radiation.

TRUE

FALSE

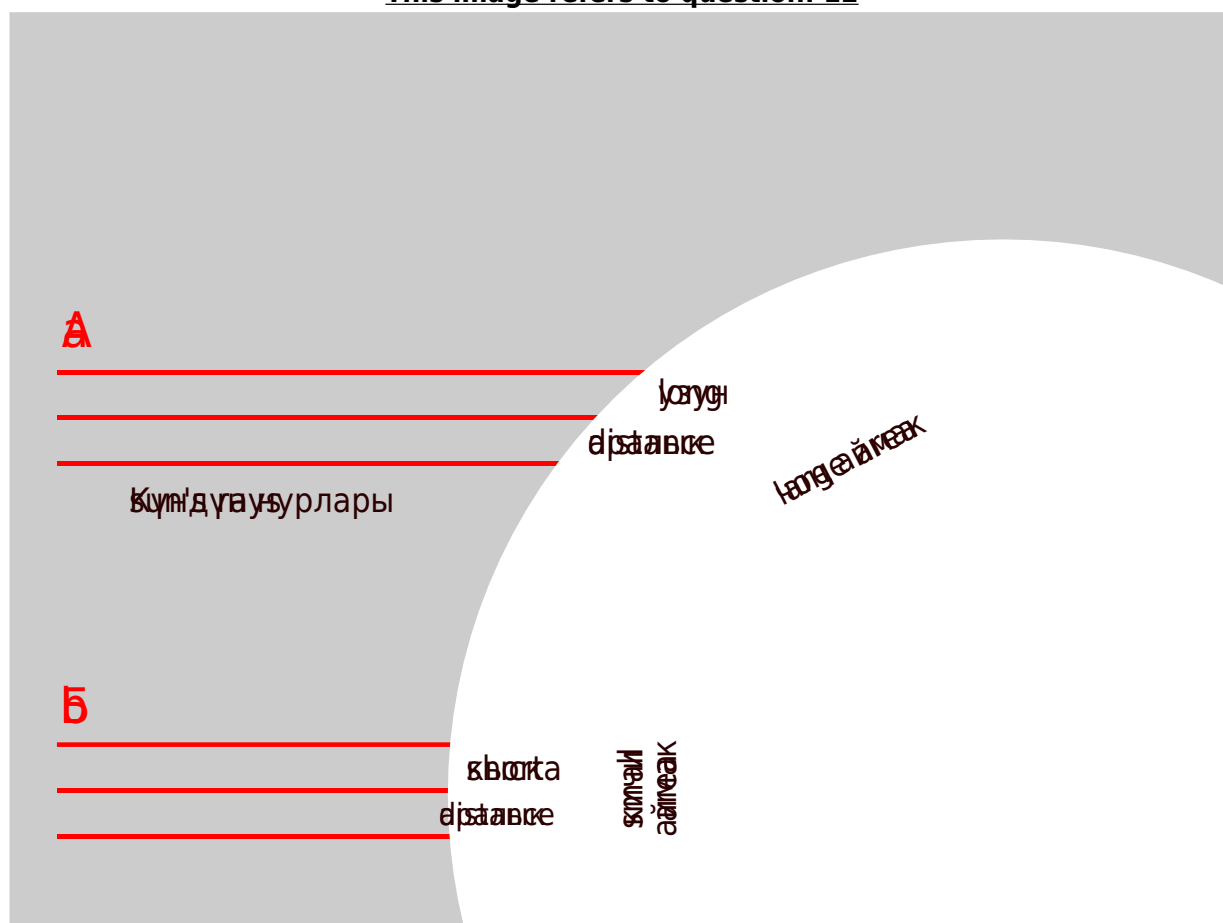
Question 11: Multiple Choice

4 marks

Which statement best explains why deserts form at about 30° north and south?

- | | |
|----------|---------------------------------|
| A | The air is rising and cooling |
| B | The Sun's angle is lowest |
| C | The area receives high rainfall |
| D | The air is sinking and warming |

This image refers to question: 12

**Question 12: Multiple Choice**

4 marks

Which latitude receives the highest average insolation?

- | | |
|----------|------|
| A | 30°N |
| B | 60°S |
| C | 0° |
| D | 90°N |

Question 13: True/False

2 marks

Air pressure increases as altitude increases.

Question 14: True/False

2 marks

The thermosphere contains the ionosphere.

Question 15: True/False

2 marks

50% of the Sun's energy that reaches Earth is absorbed by the surface.

Total: 42 Marks