PART 3

You should spend about 20 minutes in this part.

Read the text below and complete the following table with **no more than three words and/or a number** from the text for each answer.

Understanding Carbon Emissions

Carbon emissions are a hot topic in today's world, and for good reason. But what exactly are carbon emissions? Simply put, they involve the release of carbon dioxide (CO2) and other greenhouse gases into the atmosphere. These gases come from various sources, including burning fossil fuels like coal, oil and natural gas for energy, as well as deforestation and industrial processes.

The effects of carbon emissions are far-reaching and impact both the environment and human health. One major consequence of human activities is climate change, where greenhouse gases trap heat in the Earth's atmosphere, resulting in increasing temperatures and changes in weather patterns. This can result in more frequent and severe heatwaves, storms, droughts, and floods, affecting ecosystems, agriculture, and communities worldwide.

Furthermore, carbon emissions contribute to air pollution, which can worsen respiratory problems like asthma and bronchitis, and increase the risk of heart disease and stroke. Poor air quality also harms plants and animals, disrupting ecosystems and biodiversity.

Addressing carbon emissions requires collective action on a global scale. Efforts to reduce emissions include transitioning to renewable energy sources such as solar and wind power, improving energy efficiency, protecting forests, and implementing policies to limit pollution from industries and transportation. By understanding the impact of carbon emissions and taking steps to mitigate them, we can strive towards a healthier, more sustainable future for our planet and all its inhabitants.

Types of fossil fuels	**(17)** _____ **(18)** _____ • natural gas
Effects of carbon emissions	**(19)** _____ **(20)** _____
Types of respiratory problems	**(21)** _____ **(22)** _____
Efforts to reduce emissions	• transitioning to renewable energy sources **(23)** _____ **(24)** _____

[8 *marks*]

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