**Carbon Cycle – Treasure Hunt**

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1. Where is carbon stored?
2. Which storage process contains the highest level of carbon?
3. Why is the CO2 exchange between ocean and atmosphere important?
4. Why are phytoplankton in the ocean important in the carbon cycle?
5. Where is carbon stored?
6. Which storage process contains the highest level of carbon?
7. Why is the CO2 exchange between ocean and atmosphere important?
8. Why are phytoplankton in the ocean important in the carbon cycle?

**Carbon Cycle – Treasure Hunt – answers**

1. Where is carbon stored?

*Atmosphere; plants; coal, oil and gas; soil; sediments and sedimentary rocks; ocean surface; deep ocean.*

1. Which storage process contains the highest level of carbon?

*Sediments and sedimentary rocks – 1 000 000 000 000 billion tonnes.*

1. Why is the CO2 exchange between ocean and atmosphere important?

*The ocean stores 60 times more carbon than the atmosphere so reduces levels in the atmosphere.*

1. Why are phytoplankton in the ocean important in the carbon cycle?

*They are tiny plants that absorb CO2, and when they die, they can decompose and return CO2 to the atmosphere or they can add to the stores in the deep ocean sediments, reducing the amount of CO2 circulating in the system.*

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