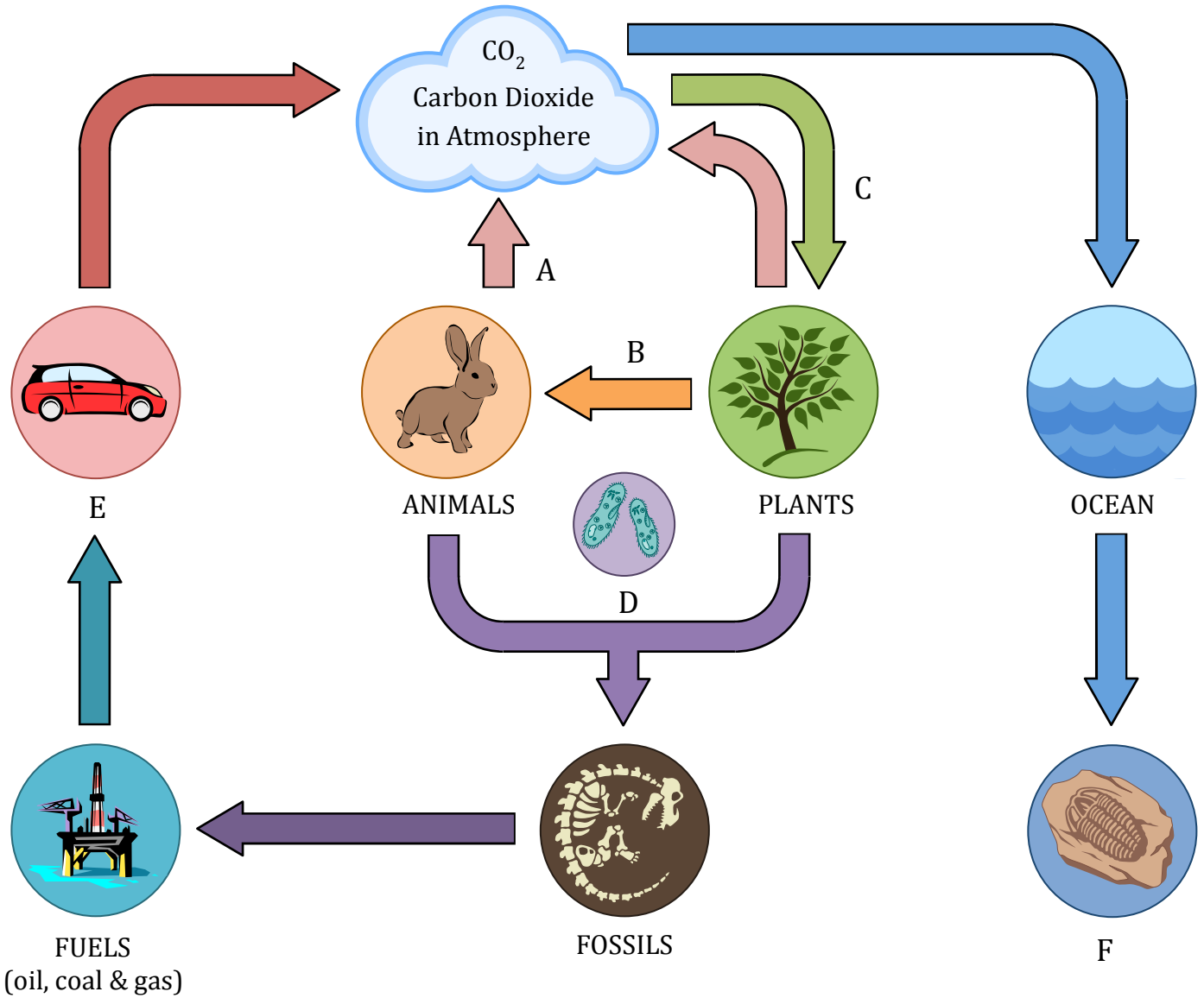


4.3 Carbon Cycling

Carbon Exchange

Label the diagram of the carbon cycle to show the processes involved



A

B

C

D

E

F

Carbon Conversions

Write a balanced chemical equation for photosynthesis and (aerobic) cell respiration

Photosynthesis:

Cell Respiration:

Outline how carbon is stored in aquatic ecosystems

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Describe the production of methane by methanogens and its oxidation in the atmosphere

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Outline the formation of fossil fuels

Peat / Coal:

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Oil / Natural Gas:

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.....

.....

Describe the combustion of hydrocarbons

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Identify three human activities that can trigger carbon fluxes within the atmosphere

1.
2.
3.