How carbon dioxide decreased: Worksheet 9.4

Removing carbon dioxide from the atmosphere

Billions of years ago, carbon dioxide formed a higher percentage of the Earth’s atmosphere than it does now. The boxes **name** and **describe** processes that have been changing the amount of carbon dioxide in the atmosphere for millions of years.

The descriptions are jumbled up. Match each **process** with the correct **description** and make a corrected copy of the table in your notebook.

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| **Processes that change the amount of carbon dioxide in the atmosphere** |  | **Descriptions** |
| Photosynthesis |  | Compression of the remains of plankton under layers of sediment |
| Respiration |  | Compression of the shells and skeletons of marine organisms |
| Coal formation |  | Solubility of carbon dioxide increases as the temperature drops |
| Formation of oil and gas |  | Release of carbon dioxide from organic molecules such as glucose |
| Limestone formation |  | Use of carbon dioxide to make sugars like glucose |
| Dissolving in oceans |  | Compression of plant material trapped under layers of sediment |