## Unit 5

### Lesson 5.1

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| **Term** | **Definition** | **Example Sentence** |
| **hydrologist** | A scientist who studies water, its properties, and its movement. | There will be growing demand for scientists, including hydrologists, soil and plant scientists, and atmospheric researchers. |
| **epidemiologist** | A health professional who studies the cause and transmission of diseases. | In the future, fields like healthcare may expand as more nurses, epidemiologists, and public-health officials are needed to handle new health risks caused by climate change. |
| **sector** | A distinct area of the economy. | Trade schools and vocational programs, especially in the energy and construction sectors, can help workers move into climate-related careers. |

### Lesson 5.2

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| **Term** | **Definition** | **Example Sentence** |
| **migration** | The process of people leaving their homes temporarily or permanently. | Climate change is driving migration as rising sea levels and extreme weather force people to relocate to safer areas. |
| **implementation** | The process of carrying out or putting something into effect. | The implementation of stricter emissions regulations has helped reduce air pollution and encourage the use of renewable energy. |

### Lesson 5.3

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| **Term** | **Definition** | **Example Sentence** |
| **policy** | A law, rule, process, practice, or action of a government or other organization, often used as a basis for decision-making. | The government implemented a policy requiring all new buildings to use energy-efficient heating and cooling systems. |
| **advocacy** | Action done in support of a cause, policy, or candidate. | After years of advocacy, the students successfully pushed the school district to transition to electric buses. |
| **subsidy** | Money provided by the government to help make a product or service more affordable. | The government introduced a subsidy for electric vehicles to make them more affordable and to encourage the transition to clean transportation. |
| **research and development (R&D)** | The process of investigating, designing, and creating new products, technologies, or improvements to existing systems. | For many companies, zero-carbon cement is still in the research and development phase with the processes and designs still being developed. |
| **standards** | Models or expected rules of measure established by an authority such as a government. | Many countries have adopted strict emissions standards to reduce air pollution and combat climate change. |

### Lesson 5.4

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| **Term** | **Definition** | **Example Sentence** |
| **advocacy** | Action done in support of a cause, policy, or candidate. | After years of advocacy, the students successfully pushed the school district to transition to electric buses. |
| **resolution** | A formal statement by a legislative body adopted as their opinion or intent. | The students successfully advocated for their school board to adopt a clean energy resolution, setting a goal of 100% renewable energy by 2030. |
| **incentive** | Something that motivates someone to perform a desired action. | Some climate policies use tax incentives to encourage businesses and individuals to purchase energy efficient equipment or install solar power. |
| **proposal** | A suggested course of action put forward for consideration. | A group of students persisted until the commissioners recommended their zoning proposal to allow for wind turbines. |