

Examples of Alternative Conceptions

- “My career area is legal administrative assistant and as far as I know, we don’t use science in that shop.”
- “My career area is Nurse Tech and two ways you can use science in my career is you can use this to solve different diseases such as things being poisonous. Also science can deal with medication.”

Examples

- “The career area that I am involve is Legal Administrative Assistance. I want to be a real estate attorney and science cannot be used in my career field.”
- “The last think I will remember is about the solar system and the illusions that are in the sky at night are called auras. I will look out for these in the ocean so I can see one for myself.”

Examples

- “My career area is legal. I want to be a corporate lawyer so I won’t use science.”
- “...Also learning about food webs and food chains. It helps to know what kind of animals we need around to survive.”
- “There is really not anything I could use from science class and apply it to everyday life.”

Discussion Questions

- *Is understanding the causes of the seasons or lunar phases important in the lives of students?*
- *Why is an understanding of basic scientific principles important for all citizens?*

Discussion Questions

- *What are some surprising ways in which a good science understanding can enhance the abilities of non-scientists to perform their work and live their lives?*
 - *Could chemical understanding affect the work of professional cooks and homemakers?*
 - *Could understanding weather and fluid dynamics help make better airline pilots and sailors?*
 - *Could understanding how plants make food affect anyone who gardens?*

Discussion Questions

- *What are some examples of important social or political issues that require a scientific understanding by voters and policy makers?*