

Career Ag Mag - Vocabulary - Matching

Directions: Match the career with the correct description.

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| _____ 1. Animal Behaviorist | A. Deals with issues and problems facing marine life |
| _____ 2. Ecologist | B. Takes care of wild animals by feeding them, cleaning their living spaces, and working to keep them healthy. |
| _____ 3. Wildlife Biologist | C. Studies what animals do in their natural environment |
| _____ 4. Food Scientist | D. Manages, develops, and protects forest lands and resources |
| _____ 5. Marine Scientist | E. Works with plants, animals, and the environment in remote, unpopulated locations and where people live |
| _____ 6. Nutritionist | F. Designs floral arrangements, works with customers, delivers flowers, and processes incoming flowers |
| _____ 7. Veterinarian | G. Conducts research that helps manage our resources |
| _____ 8. Mechanic | H. Uses his or her knowledge of sciences to develop grain, livestock, fruit and vegetables into new food products |
| _____ 9. Forest Ranger | I. Operates and maintains both simple and complicated machinery |
| _____ 10. Florist | J. Provides medical help to animals by diagnosing, treating, and helping to prevent disease in animals |
| _____ 11. Zookeeper | K. Helps counsel people with advice on diet, weight loss, cholesterol reduction, etc. |

Career Ag Mag - Math - Time Angles

Directions: The size of an angle is measured in many ways. One method is to use degrees. The degrees tell you how far you rotated to make the angle. Think of the minute hand on a clock. In one hour, the hand sweeps around in one full circle, ending back where it started. It has made one full turn, which equals 360 degrees. This chart shows angles measured by the rotation of a circle, the minutes on a clock and degrees. Use it to help you answer the questions that follow.



Rotation	Minutes	Degrees
1/4 turn	15	90
1/2 turn	30	180
3/4 turn	45	270
Full turn	60	360

For each problem, write the degree measure of the angle made when the minute hand on a clock travels from the first time to the second time.

- A zookeeper gets up at 5:45 am, and gets ready for work and leaves home at 6:30 am. 5:45 am to 6:30 am _____ degrees
- It takes the florist from 9:30 am to 10:00 am to complete an arrangement. 9:30 am to 10:00 am _____ degrees
- An animal behaviorist must check the animals every 45 minutes starting at 7:03 am. 7:03 am to _____ am _____ degrees
- The veterinarian spent an hour, from 2:14 pm to 3:14 pm, examining the horse. 2:14 pm to 3:14 pm _____ degrees
- The farmer must get up early to eat breakfast from 5:25 am to 5:40 am in order to get to work on time. 5:25 am to 5:40 am _____ degrees
- It takes a mechanic from 8:43 am to 9:28 am to replace the tire on the tractor. 8:43 am to 9:28 am _____ degrees

Career Ag Mag - Reading Passage

Animal Nutritionist

Animal nutritionists create nutritionally-sound, good-tasting, and economical diets for animals. They use dietary information provided by livestock producers and adapt it to the needs of all kinds of animals, including zoo animals. By testing their diets, they ensure that the animals are receiving the right combination of proteins, vitamins, minerals, and carbohydrates. They have studied animal nutrition, animal behavior, biochemistry, economics, food processing, and animal production.

Animal Behaviorist

Animal behaviorists study animals by watching what animals do in the wild and rewarding their behavior after training. They also study animal relationships such as herding instincts, hierarchy, and which species get along with each other. To be an animal behaviorist, you should take classes in animal science and behavior.

1

How are the jobs of an animal nutritionist and an animal behaviorist similar?

2

What is one of the main differences between the career of an animal nutritionist and an animal behaviorist?

3

What classes will help you in both the field of animal nutrition and animal behavior?

Career Ag Mag - Reading Passage

Horticulturist

Horticulture is the culture of garden plants. Horticulturists may work in landscape design, crop production, plant propagation, plant breeding and genetic engineering, plant physiology, plant biochemistry, storage, processing, and transit. Today's horticulturists can be floral designers, nursery workers, greenhouse managers, plant breeders, research scientists, and educators. In college, they take courses in plant science and horticulture.

Food Scientist

Food scientists preserve our food supply by assuring its quality and safety. They can convert grain, livestock, fruit, and vegetables into new food products. Food scientists work for food processing companies, food equipment and ingredient suppliers, and government agencies. They are food inspectors, researchers, and regulators who safeguard our food. To be a food scientist, you should earn a bachelor's degree in food science.

1

How are the careers of a horticulturist and a food scientist similar?

2

What is one of the main differences between the jobs of a horticulturist and a food scientist?



Extended Response

What career are you most interested in pursuing? What preparation do you need in order to pursue that career (schooling, training, etc.)? Is it related to agriculture?