

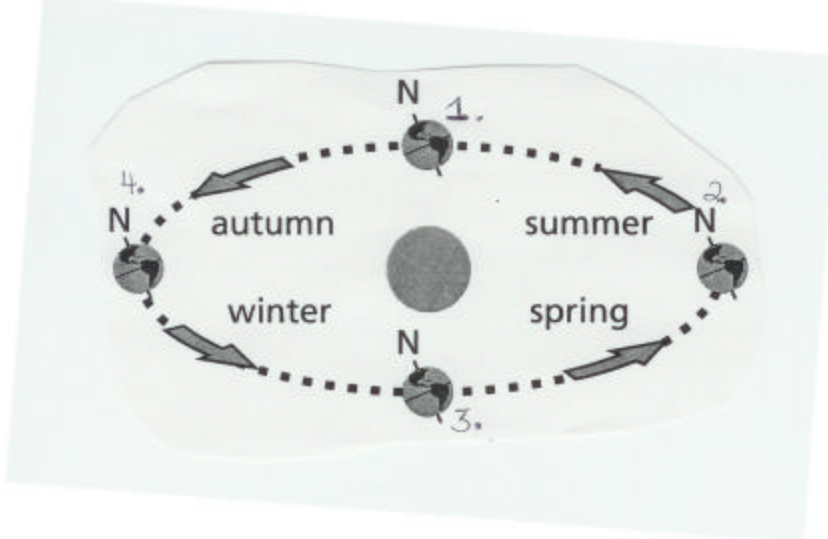
**FOOD, LAND, AND PEOPLE**  
**FCAT ASSESSMENT QUESTIONS**  
**PRE/POST TEST**  
**Answer Key**

**SEASONS THROUGH THE YEAR**

Please select the **best** answer.

1. SC.E.1.2.1 (AA)

The earth has four distinct seasons: spring, summer, fall, and winter. The diagram below shows the position of the earth as it revolves around the sun. The Northern Hemisphere is experiencing summer in position 2.



Which letter shows the position of the earth when the Southern Hemisphere would be experiencing summer?

- A. Position 1
  - B. Position 2
  - C. Position 3
  - D. **Position 4**
2. SC.H.2.2.1, SC.E.1.2.1 (AA)
- Plants need energy from sunlight in order to grow. As the Earth goes through the different seasons, the hours of daylight will change. What causes the changes in the seasons?
- A. The four phases of the moon.
  - B. **The tilt of the Earth's axis as the sun's rays fall on the earth's surface.**
  - C. The rotation of the Earth on its axis.
  - D. The movement of the Sun.

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3. SC.H.3.2.1 (AA)



At the end of the summer growing season, crops must be harvested. Long ago, the farmer and his neighbors had to gather the crops before they spoiled or were eaten by animals. How did the invention of the combine help the farmer harvest the wheat, rye, and oats in the fall?

- A. The invention gave the neighbors jobs.
- B. **The invention allowed the farmer to harvest the grains quickly.**
- C. The invention was hard to drive through the fields.
- D. The invention made the grains ripen quickly.

4. SC.E.1.2.1(AA), SC.H.1.2.4 (AA)

Mick is a boy living on a farm in Australia. Australia is located in the Southern Hemisphere. It is fall in Australia. Mick is helping his family cut wood and harvest food from their garden. His mother is freezing and canning the vegetables they picked. His father prepares the barn for the animals. It is time to get out coats and hats from the storage closet in preparation for the months ahead. In which month would Mick's family be making these preparations?

- A. **April**
- B. January
- C. July
- D. October

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5. SC.H.2.2.1, SC.G.1.2.2 (AA)

Each season brings changes for animals and plants. The chart below shows changes that happen to plants and animals. The changes help them to survive. In which season would these changes take place?

PLANT/ANIMAL	ADAPTATION
Rabbits	Thick fur
Bears	Hibernate
Maple trees	Dormant
Birds	Have migrated
Animals	Find shelter

- A. **Winter**
- B. Spring
- C. Summer
- D. Fall

Performance Task: SC.H.1.2.4 (AA), SC.G.1.2.5

Dairy farmers have much to do to care for their herd of cattle. As the seasons change, so do the needs of the animals. The farmer keeps a journal to remind him of the preparations he must make to care for the cattle. Pretend you are a dairy farmer and write four journal entries, (1 paragraph each) which describe the preparations you make during each season for the needs of the herd.

**[Corrected response may include these details.]**

**March 21**                      **Farmer prepares for the birth of his calves, cares for the new calves and he prepares the fields for the cows.**

**June 21**                        **Farmer moves the cows and the growing calves to outdoor pastures to graze. He takes of the young calves. He replenishes water sources frequently.**

**September 21**                **Farmer harvests and stores food for the winter. The cows develop a heavier coat. He repairs the barn.**

**December 21**                 **Farmer moves animals to shelter. He uses stored hay, silage, and ground feed to feed the cattle. ]**