

The following is a rough draft of a student's report. It contains errors.

### A Family of Stars

(1) William Herschel and his sister Caroline Lucretia Herschel made large contributions to the field of astronomy. (2) William Herschel moved from Germany to England in 1757. (3) He became an organist at a chapel in Bath in 1766. (4) Although he was a musician by occupation, William Herschel developed a growing interest in the skies throughout the 1770s. (5) Unlike many current astronomers, his focus was on distant celestial bodies rather than nearby objects. (6) He began to make telescopes, even grinding his own mirrors to make them large enough to view far into space. (7) His first major find was the discovery of the planet Uranus in 1781, which earned him being famous, the Copley Medal of the Royal Society, and the post of Court Astronomer to King George III. (8) Finally, at the age of 43, he was able to give up music to pursue astronomy full time.

(9) Caroline Herschel joined her brother in Bath in 1772 and became his assistant, recording his observations and calculating the position of various objects in outer space. (10) In 1786 the brother and sister team moved to a house in Slough with a yard big enough for their telescopes. (11) Caroline used these large telescopes to locate a new comet in 1786. (12) This discovery brought Caroline fame, publication in the Royal Society's journal, and official acknowledgement as William's assistant, a job which paid 50 pounds per year. (13) After William's death in 1822, Caroline continued her brother's work. (14) She won the Royal Astronomical Society's gold medal in 1828 and became an honorary member in 1835, making her one of the most famous and admired women astronomers.

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**54** Which of the following is the *best* way to combine sentences 2 and 3?

- A William Herschel moved from Germany to England in 1757, then he became an organist at a chapel in Bath in 1766.
- B When William Herschel moved from Germany to England in 1757, he became an organist at a chapel in Bath in 1766.
- C William Herschel moved from Germany to England in 1757 and became an organist at a chapel in Bath in 1766.
- D Since William Herschel moved from Germany to England in 1757, he became an organist at a chapel in Bath in 1766.

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**55** What is the *best* way to write the underlined words in sentence 7?

- A earning him fame, the Copley Medal of the Royal Society, and gained the post of Court Astronomer to King George III.
- B which earned him fame, won the Copley Medal of the Royal Society, and the post of Court Astronomer to King George III was gained.
- C which earned him fame, won him the Copley Medal of the Royal Society, and gaining the post of Court Astronomer to King George III.
- D which earned him fame, the Copley Medal of the Royal Society, and the post of Court Astronomer to King George III.

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**56** What is the main purpose of this report?

- A to compare William Herschel's work to his sister's
- B to analyze the relationship between the Herschel siblings
- C to describe the Herschel siblings' influence on astronomy
- D to discuss Caroline Herschel's discovery of a new comet

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