

| ○ B. False   |       |
|--|-------|
| Question 7   |       |
| The Lorenz system has three state variables and two parameters.  |       |
| O A. True  |       |
| ✓ © B. False   |       |
| Question 8 The Lorenz system models a spring-loaded pendulum (like the simple harmonic oscillator on a pivot).   |       |
| O A. True  |       |
| <b>✓</b> © B. False  |       |
| Question 9  There are two stable fixed points in the dynamics of the Lorenz system for some values of the system's parameters.                                       |       |
| ✓ ⊙ A. True  |       |
| © B. False   |       |
|  |       |
| Question 10  There is a chaotic attractor in the dynamics of the Lorenz system for some values of the system's parameters.   |       |
| <b>✓</b> © A. True   |       |
| ○ B. False   |       |
| attractors).  ○ A. True  ✓ ③ B. False  |       |
| Question 12  |       |
| The basins of attraction of different attractors in a dynamical system can overlap.  |       |
| O A. True  |       |
| ✓ ® B. False   |       |
| Question 13  Lorenz was the first person to recognize chaos. [Experts: neglect Poincare, who did a lot of things before others did, including write down $e=mc^2$ !] |       |
| <b>✓</b> © A. True   |       |
| ○ B. False   |       |
| Question 14 Lorenz was the first person to use the term "chaos" for this kind of behavior.   |       |
| ○ A. True  |       |
| ✓ ○ B. False   |       |
| You got 14 out of 14 questions correct   | Reset |
| Tou got 14 out of 14 questions correct   | Reser |