**Answer Key: Robert Boyle Video Questions**

**Instructions**
While watching the *Founders of Chemistry* video about Robert Boyle, answer the following questions:

1. Where and when was Robert Boyle born?  
   1627, Ireland

2. How old was Boyle when he published his most famous work?  
   34

3. What was the title of this publication?  
   *The Sceptical Chymist* (The Skeptical Chemist)

4. What did Boyle think chemistry was the key to understanding?  
   Nature

5. What was Boyle a founding member of and what was it?  
   The Royal Society – the first organized scientific body

6. What was revolutionary about Boyle’s experiments and publishing his failures and successes?  
   Before people just argued using logic (that Aristotle had set), but now anyone could replicate an experiment and get the same results under the same conditions – this was what we now know as the Scientific Method

7. What is Boyle’s Law?  
   Pressure and volume of a gas at a constant temperature have an inverse relationship – when volume goes down, pressure goes up and as volume goes up, pressure goes down

8. What has Boyle’s Law helped us with?  
   Forecasting the weather, understanding how our lungs work, inventing steam engines, cars, and scuba gear