

BE:7—Science and Invention—Q/A

The primary references for the following questions are Great Inventors and Their Inventions by Bachman and the Stories of Great Scientists by Gibson.

- 1) This inventor held over 1000 patents, but is most famous for his innovations involving, the phonograph, motion pictures, and the light bulb.
- 2) This legal document guarantees a set of exclusive rights to sell or use a particular invention within the domains of a country.
- 3) This machine, invented by James Watt in 1763, was one of the most important innovations of the industrial revolutionary era.
- 4) This American invented the cotton gin, a tool for removing seeds from cotton that greatly impacted the economy of the American southwest.
- 5) This naturalist authored 'Origin of Species', which put forth the theory of natural selection and later proposed that humans descended from apes.
- 6) This American inventor tested the theory that electricity and lightning were of the same substance by flying a kite in a thunderstorm.
- 7) This man was an eminent teacher of deaf students and an expert at sound transmission when he invented the telephone, in 1875.
- 8) Although Elias Howe invented the Sewing machine, this man made improvements and was the first to mass market them.
- 9) This invention, made practical by Cyrus McCormick in the mid 1800s, revolutionized agriculture and farming.
- 10) This British inventor held over 100 patents on processes including moveable dies for stamps and a revolutionary steel making process.
- 11) This weaver from northern England invented the Spinning Jenny, a device that could spin many different threads of yarn at one time.

- 12) These inventions, which helped establish Britain's textile factories, ushered in the Industrial Revolution in Britain.
- 13) This man, inventor of the first practical locomotive, was an engine wright who did not learn to read or write until he was in his early twenties.
- 14) The inventor made improvements to an existing Newcomen engine in order to create a practical, double-acting, steam engine.
- 15) This book by Charles Darwin, proposed that all life forms on earth evolved from a common ancestor.
- 16) This agnostic biologist, known as 'Darwin's bulldog', made it his life's work to promote Darwin's theory of Evolution.
- 17) Besides inventing the Cotton Gin, this was Eli Whitney's other most important contribution to invention and industry.
- 18) Michel Faraday made important contributions in many areas of physical science, but he is most famous for his discoveries and inventions in this field.
- 19) This scientist was accused of Heresy by the inquisition for promoting the theory that the earth revolved around the sun.
- 20) William Herschel, a self-taught German scientist who supported himself as a music teacher and telescope maker, is most famous for this discovery.
- 21) This 19th century British scientist is most famous for formulating the first and second laws of Thermodynamics.
- 22) This German astronomer used Tycho Brahe's observation data to propose laws of celestial motion asserting that planets moved in elliptical orbits.
- 23) This French scientist's discovery of germs contributed to Lister's development of sterile surgical practices.
- 24) This scientist proved that gravity, the same force that causes falling bodies on earth, also holds the planets and satellites on their orbits.