Name _____ Scientific Curiosity and Vaccine Discoveries

Lesson 1: The Wonder of Scientific Curiosity - Worksheet

Write the **letter** of the correct curious scientists beside the event.

A. Louis Pasteur
B. Dr Fleming
C. Dr. Flory
D. Mary hunt
E. Dr. John Snow
F. Dr. Edward Jenner

Fill in the missing words from the ones provided
Write neatly. Spell correctly.

- water
- chrysogeum
- filtration
- wine
- scars
- contaminating
- Penicillium
- Cholera
- cantaloup
- 40,000
- 50–60 °C
- Smallpox
- spontaneous generation
- penicillin
- cowpox
- bacteria
- Epidemiology
- sterilized
- Pasteurization
- Antibiotic
- 1000

____	At 13, apprenticed at a country surgeon's office in England at a time when _____ was a terrible disease.
____	Returned after summer holiday to find Petri dishes of bacteria had been contaminated with _____ notatum mold.
____	The accidental discovery that mold prevented the normal growth of the disease-causing bacteria led to the world's first natural _____.
____	In the 1830s, had a hunch that the sewage water in the Thames River in London, England was _____ the water supply.
____	French scientist who wanted to disprove the belief that disease-causing microbes could appear out of nowhere. There was even a term for it: _____ _____.
____	Tracking of hospital and public records on when the _____ outbreak began in the Soho neighbourhood of London and whether patients drank _____ from a specific pump on Broad Street.
____	Proved that beef broth could be _____ by boiling it in a container that would keep out any contamination.

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____	_____ is the study of how often diseases occur in different groups of people and why.
____	Smallpox is estimated to have killed _____ people per year in Europe. Those who survived were often left with _____.
____	Was able to test the type of _____ the Penicillium notatum mold was effective against.
____	Was asked by the Emperor of France to study contaminated _____. Heating to _____ was able to prevent microbial contamination. This process is known as _____.
____	Picked up a _____ because it was covered in a “pretty, golden mold.” This mold happened to be Penicillium _____.
____	Because of overhearing a dairymaid say, “I shall never have smallpox for I have had _____”, was inspired to create a vaccine for smallpox using this as it was not deadly.
____ ____ ____	Through further enhancement and_____, the Penicillium chrysogeum originally found on a cantaloupe was able to produce _____ times the amount of pure _____.

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