

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
- chrysogenum
- 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 chrysogeuum originally found on a cantaloupe was able to produce _____ times the amount of pure _____.