

**Edward Jenner Exercise - 20 pts (about 3% of the course grade)**  
**SCIE258**

Name(s): \_\_\_\_\_

Acknowledgment: this exercise was written by previous SCIE258 instructors.

Please do this assignment on your own, or in teams of two. If you work as a team, note that you may not work with the same partner on more than one assignment (except where stated otherwise).

1. (4 points) Describe the evidence on which Jenner based his theory.

2. (4 points) Discuss whether Jenner's actions were ethical based upon the evidence that he had.

3. (6 points) Discuss three ways that social, cultural, or political factors inhibited the acceptance of Jenner's theory.

a.

b.

c.

4. (6 points) State two common objections to vaccination from Jenner's time, one that still resonates today and one that now seems antiquated. Discuss why the perception of these objections has differed over time.