

Name: _____ Date: _____ Period: _____

CONTAGION



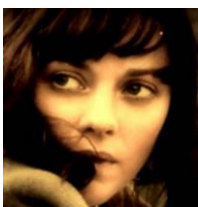
Matt Damon
Mitch Emhoff

Description:



Kate Winslet
Dr. Erin Mears

Description:



Marion Cotillard
Dr. Leonora Orantes

Description:



Jude Law
Alan Krumwiede

Description:



Laurence Fishburne
Dr. Ellis Cheever

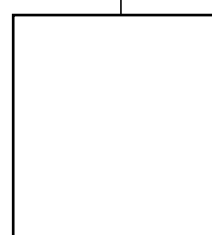
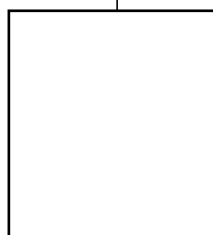
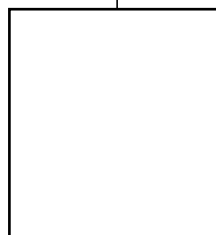
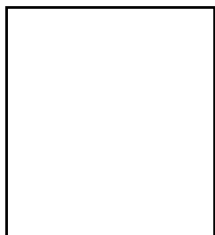
Description:



Gwyneth Paltrow
Beth Emhoff

Description:

Fill in the timeline below with a description of each person who gets sick, their location, and mode of infection as they appear in the film. At the end of the film circle patient 0.



<p>1. List the R_0 value (pronounced R-nought) or basic reproductive values given for the virus'.</p>	<p>Flu R_0: _____</p> <p>Smallpox R_0: _____</p> <p>Polio R_0: _____</p>
<p>2. What are three things that are needed to be determined to establish the R_0 given in the movie?</p>	<p>1. _____</p> <p>2. _____</p> <p>3. _____</p>
<p>3. Why is it important for the scientists to establish the R_0 for the virus? Why does the R_0 for HEV-1 change throughout the movie?</p>	
<p>3. Do you think the movie is realistic in its portrayal of the spread of a major virus? Do you think a virus or other disease could spread through the world as quickly as shown in the movie? Explain your answer</p>	