

## **Discovery School – Understanding Viruses**

- 1.** List as many viruses as you can (more than 3).
- 2.** How do viruses reproduce?
- 3.** Why is it difficult to identify viruses?
- 4.** Explain how WW1 contributed to the flu pandemic of 1918.
- 5.** Who was immune to small pox? Why?
- 6.** Explain Edward Jenner's work.
- 7.** How do they make flu vaccines?
- 8.** Why are RNA viruses so variable? Why is called a retrovirus?
- 9.** What are some ways to fight against viruses?
- 10.** Explain Jonas Salk's work.
- 11.** What disease went extinct? Why? When?

**12.** What are viral emergents?

**13.** Why is it so important for virologists to study life forms in tropical rain forests?

**14.** What is the hanta virus?

**15.** What is HIV? Where did it come from and how did it spread?

**16.** How might viruses help cure genetic diseases?