Part 1: Please answer questions 1-6 in complete sentences.
1. What do the letters A-I-D-S stand for?
2. What do the letters H-I-V stand for?
3. What is the difference between AIDS and HIV?
4. How does a virus survive and reproduce in the human body?
5. Why is HIV especially deadly compared to other viruses?
6. How is HIV transmitted from one person to another?
7. Circle the correct answers:
   AIDS / HIV causes AIDS / HIV
Part 2: Fill in the Blanks

1. A [ ] encounters a cell.

2. A virus attaches itself to a cell and injects its DNA, leaving its [ ] behind.

3. The viral DNA [ ] of the cell "machinery" and forces the manufacture of multiple copies of itself.

4. The viral DNA then makes viral [ ]

5. . . . that spontaneously assemble themselves into multiple new viruses.

6. The cell dies, releasing the new viruses which can then [ ]
Figure 2
How the Human Immune System Reacts to Viral Invasions

7. A few mB remain in the blood, carrying antibody information needed in case the same virus invades again later.

6. ______ signal the B cells to stop their activity when they are no longer needed.

3. ______ signal B cells to divide and make new B cells that can respond to the invaders.

4. ______ produce antibody molecules.

5. ______ react with the invading cells, marking them for destruction by macrophages or destroying the invaders themselves.

2. Macrophages engulf some viruses and destroy them. At the same time, they send signals to ______ letting them know that invaders are present.

1. Viruses invade the body.

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Tracking a Virus – Tracking a Virus Worksheet