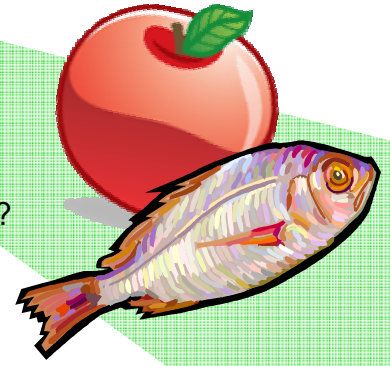


Stick Together



QUESTION: What factors affect a virus's ability to attack a cell?

MATERIALS:

- material samples: (60 cm²)
- cotton Velcro™
- felt
- sweat shirt
- terry cloth
- T-shirt
- Velcro™
- transparent tape
- ping pong ball

PROCEDURE:

1. Tape the cotton sample securely to a wall.
2. Stand about 2 m away from the wall and toss the ball so it hits the cotton sample. Record whether or not the ball sticks to the cotton.
3. Repeat step 2 nine more times.
4. Repeat steps 2 and 3 with each sample of material.

DATA:

FABRIC	NUMBER OF TIMES BALL STUCK	NUMBER OF TIMES BALL DID NOT STICK
Cotton		
Felt		
Sweatshirt		
Terry cloth		
T-shirt		
Velcro™		

LS – Activity #41

QUESTIONS:

1. To which material did the ball stick the least number of times?
2. To which material did the ball stick the greatest number of times?
3. Why did the ball stick more to one type of a material than another?
4. In this demonstration, what does the ball represent? What do the fabric samples represent?
5. What could be done to make the ball stick to the cotton more frequently? This change would be similar to what event in a cell or virus?