



**SUBJECT:**  
**LEVEL:**

**SCIENCE**  
**FORM 3**  
**BIOLOGY**

**TOPIC**  
**HUMAN IMMUNODEFICIENCY VIRUS**  
**(HIV)**

**AND**  
**ACQUIRED IMMUNODEFICIENCY**  
**SYNDROME(AIDS)**

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Curriculum Planning and Development Division  
Science Unit

# KEY POINTS

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## **What is HIV?**

HIV (human immunodeficiency virus) is a virus that attacks white blood cells that help the body fight off infection, making a person more vulnerable to other infections and diseases. HIV belongs to a class of diseases called communicable diseases.

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## **How is HIV transmitted?**

Some ways in which HIV is transmitted is via person to person, through body fluids, and sharing of infected needles.

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## **How can one protect oneself from getting HIV?**

Some ways to avoid getting HIV are: persons should abstain from unprotected sex, limit sexual partners to one faithful person, not share needles and get tested regularly.

## ACTIVITY 1. CLICK ON THE VIDEO AND ANSWER TRUE (T) OR FALSE (F)

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=EQLYEYOI754&T=74S](https://www.youtube.com/watch?v=EQLYEYOI754&T=74S)

Questions	True (T)	False (F)
1. There is a cure for HIV and AIDS		
2. The stigma and discrimination brings sadness to persons with HIV/AIDS		
3. You cannot get the virus by hugging someone		
4. HIV cannot be spread through breast milk or any body fluids		
5. The HIV virus can travel through wounds.		
6. HIV can be spread through sweat, mucus or saliva		
7. You can get HIV by sharing needles and razor blades.		
8. A mother can give her baby HIV while pregnant		
9. Mosquitoes can transmit HIV		
10. There medicines to treat people with HIV		

## Activity 2:

Complete the adjacent table by putting a “x” in the column for the correct answer.

Ways of Acquiring HIV	YES	NO
1. Breast feeding		
2. Hand shake		
3. Donating blood		
4. Hugging someone with HIV		
5. Having Unprotected intercourse with someone with HIV		
6. Sitting on a toilet seat		
7. Mosquito bites		
8. Swimming with an HIV infected person		
9. Ear and body piercing with an infected needle		
10. Someone with HIV coughing and sneezing near you		

## ASSESSMENT

[Click here : Watch the vide](#)

Answer the questions based on the video.

Questions	Answers
What does the acronym HIV stand for?	
How does it affect the body?	
How is HIV transmitted (spread)?	
What are the Sign and symptoms of HIV	
What is the treatment, if any, for HIV?	

# ANSWERS: ACTIVITY 1. CLICK ON THE VIDEO AND ANSWER TRUE (T) OR FALSE (F)

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=EQLYEYOI754&T=74S](https://www.youtube.com/watch?v=EQLYEYOI754&T=74S)

Questions	True (T)	False (F)
1. There is a cure for HIV and AIDS		F
2. The stigma and discrimination brings sadness to persons with HIV/AIDS	T	
3. You cannot get the virus by sharing a joke or being friendly.	T	
4. HIV cannot be spread through breast milk or any body fluids		F
5. The HIV virus can travel through wounds.	T	
6. HIV can travel through sweat, saliva, and mucus		F
7. You can get HIV by sharing needles and razor blades.	T	
8. A mother can give her baby HIV while pregnant	T	
9. Mosquitoes can transmit HIV		F
10. There are medicines that treat people with HIV		T

## Activity 2:

Complete the adjacent table by putting a “x” in the column for the correct answer.

Ways of Acquiring HIV	YES	NO
1. Breast feeding	X	
2. Hand shake		X
3. Donating blood		X
4. Hugging someone with HIV		X
5. Having Unprotected intercourse with someone with HIV	X	
6. Sitting on a toilet seat		X
7. Mosquito bites		X
8. Swimming with an HIV infected person		X
9. Ear and body piercing with an infected needle	X	
10. Someone with HIV coughing and sneezing near you		X

# ANSWERS: ASSESSMENT

Questions	Answers
What does the acronym HIV stand for?	Human immunodeficiency virus
How does it affect the body?	It kills or damages the body's immune system cells
How is HIV transmitted (spread)?	Unprotected sex with an infected person, sharing drug needles, through contaminated blood, mother to child during pregnancy and child birth,
What are the Sign and symptoms of HIV?	Swollen glands and flu like symptoms,
What is the treatment, if any, for HIV?	No cure but is treated with medicine.



**PROTECT  
YOURSELF**

# REFERENCES

HIV AIDS Education and Awareness (2014) Retrieved from  
<https://www.youtube.com/watch?v=EqlyEYOI754&t=74s>