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	Retroviruses Worksheet
A	1) Retroviruses store their genetic information in RNA. What advantage does this have?
	RNA -> proteins : Faster production of proteins - Immediate protein production
	- Single Stranged of Castar modations (doux agenetic change that makes healthy cells cancerous
	3) How are HIV and AIDS related?  HIV=VINUS AIDS = Disease/Syndrome
	4) If HIV did not have glycoproteins could it still infect cells? Why?  No because it could not bind to the receptors.  On the target cell.
- A	5) What is the importance of reverse transcriptase?
	- Converts RNA - DNA -Allows DNA production so DNA can enter host cell's
Z.	6) Why are retrovirus infections so difficult to treat?
	7) What types of cells does HIV target?
	T-cells, connective tissue
	8) When was HIV discovered?
1	9) What is meant by the term viral load? The amt of virus in the blood.
1	10) What do HIV infected people normally die of?  Opportunistic infections

-TB -Bacterial Infections

-Cancer

AX		
	✓ 11) Why is it so difficult to create a vaccine against HIV?	
/\	mutates at such afast rate	
	12) What beneficial role could retroviruses play?  Giene therapy -> genetically aftered viruses insert  beneficial genes into human cells.	
/2	13) What are some of the risks associated with the future uses of retroviruses?  - Insert genes in whing 8pst Deause cancer - May Me  - maybe mutate + turn vinulent again super vir	ake
$\mathcal{A}$ ,		100.
4	14) How does HIV gain entrance into a cell? To answer this question draw the steps described in the article and write a caption describing what is happening.	
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10	15) What does HIV stand for? What does AIDS stand for?	

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HIV > Human Immunode Actency Virus

AIDS > acquired Immunod efficiency Syndrome

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