VIDEO GUIDE FOR BOZEMAN BIOLOGY SIGNAL TRANSDUCTION PATHWAYS

1.	How are signal transduction pathways like the musical genius of Jimi Hendrix?	
2.	Signal transduction pathways usually modify or trigger phosphorylation	
3.	When a signal binds to a receptor, it changes its	
4.	Epinephrine (the messenger involved in the fight or flight response) binds to the	
5.	When epinephrine binds to the G-protein, its changes and it releases a, which binds to	e:
6.	When the alpha subunit from the G-protein binds to adenyl cyclase, it is	
7.	The function of adenyl cyclase is to produce from ATP.	
8.	Cyclic AMP binds to the portions of protein kinase, releasing the portions.	
9.	Theated catalytic portions can now act upon other enzymes in the cell.	
10.	In review:	
	 a. Epinephrine is called the b. Its receptor is the c. When epinephrine binds to the G-protein, its releases a d. This subunit binds to e. Adenyl cyclase converts ATP to** 	
	f. cAMP causes the protein kinase to releases its portions g. the catalytic portions become	
	h. these can act upon that breakdown glycogen into	_
11.	How is cAMP like Jimi Hendrix's amplifier?	