

## Dropping Signals

1. Go to <http://learn.genetics.utah.edu>
2. Under *Cell Biology* click "Amazing Cells"
3. On the right side of the screen click on "Dropping Signals."
4. Explore how various signals/stimuli affect a variety of cells. Record your findings in the table below.

	Cell Type				
Signal Type	Muscle	Photoreceptor	Cancer	Leaf Parenchyma	Fibroblast
Light					
Nitric Oxide (NO)					
Cytokine / Growth Factor					
Hormone					

- 1) Propose a reason for why muscle cells do not respond to light.
- 2) What is the overall effect of cytokines/growth factors on their target cells?
- 3) Propose a reason why you think different cells respond differently to nitric oxide.
- 4) What is the function of a fibroblast?