**Ventral Stream**

* Neurons recognize objects!
  + Only way to describe how well a cell reacts to a stimulus is to describe how well it looks like a given object (NOT like dark areas here and light areas there)
    - Possibly fundamental to intelligence?
* Perceptrons
  + g(∑WiEi) where g is a nonlinearity
    - E represents an input
    - W is a weighting function
    - i.e. g is a rectification = max(0, (∑WiEi))
      * converts negative inputs to zeros
  + Multiple layers allows you to transform data over and over again until it becomes a linear discriminable problem.