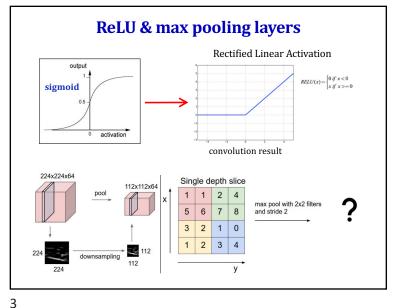
Sample stages of a CNN CONV CONV CONV: "convolution" layer with weights that are learned RELU: "rectified linear unit" applies an activation function POOL: "pooling" selects maximum value in small neighborhoods

FC: "fully-connected" neural network

1



Convolutional layer fully-connected locally-connected network: network: • early layers perform a convolution of their inputs • multiple convolution operators (e.g. red & black) weights in convolution operators are learned convolution operators are typically small (e.g. 5x5) 5x5x3 convolutions with (RGB) multiple operators

