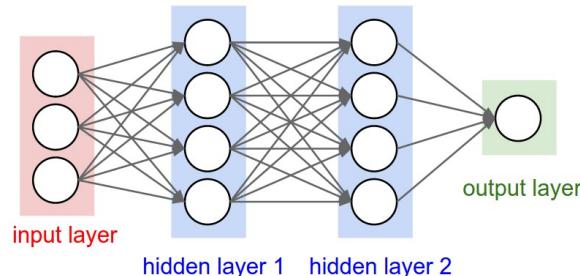
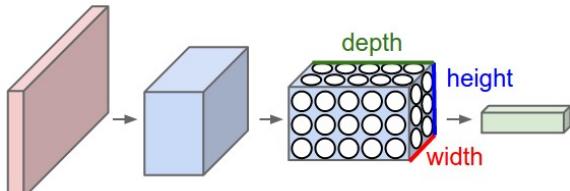


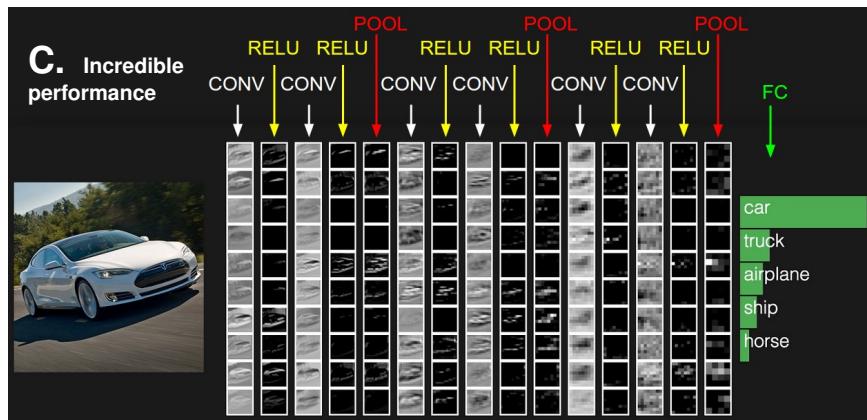
A. Classical Architecture (fully connected)



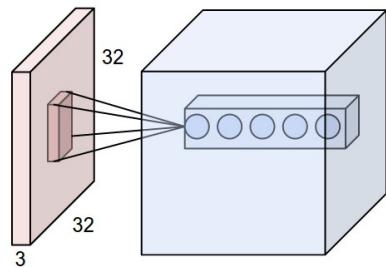
B. Convolutional NN Architecture (Modified “physics-aware” connectivity to target image data)



C. Incredible performance



Convolutional filters
use domain knowledge
that nearby pixels are related



q_0

q_1

q_2

q_3

q_4