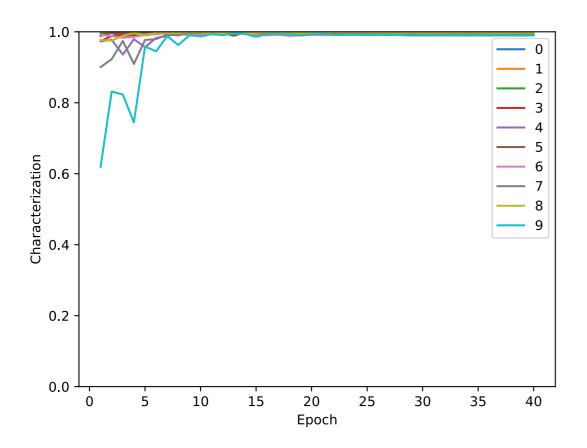
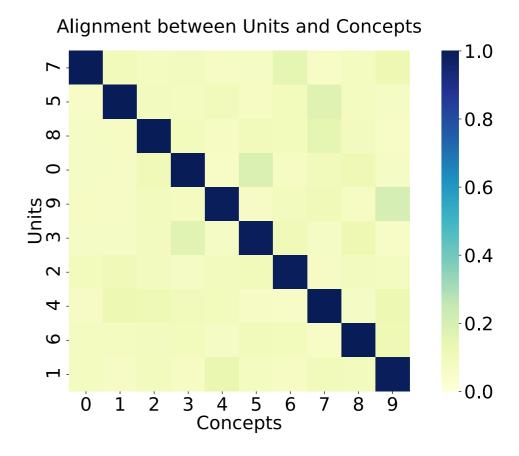
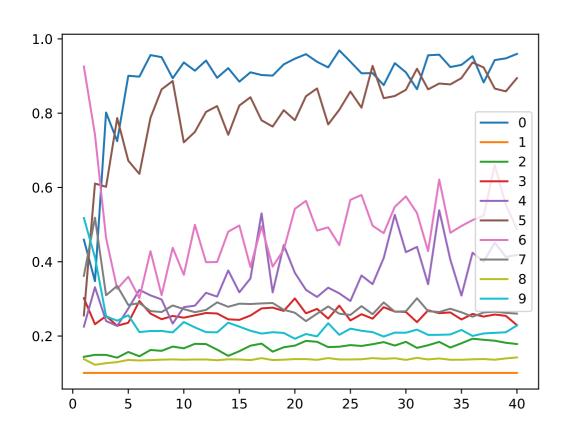
Concepts Alignment in the Training Process

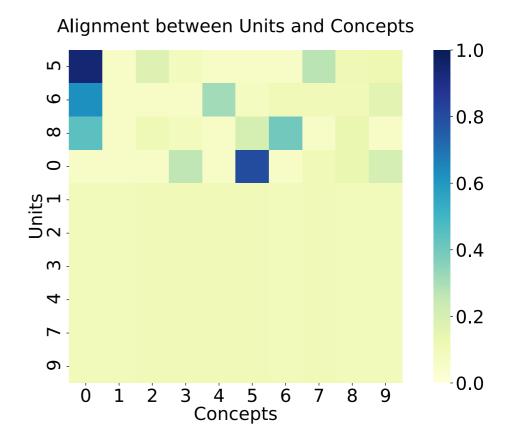
Baseline (AlexNet, SGD)

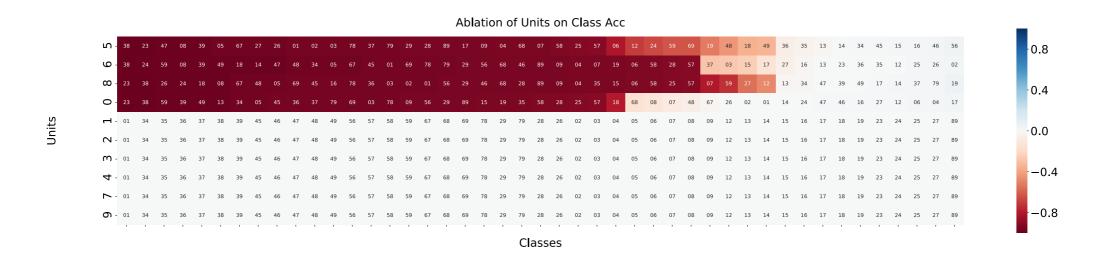




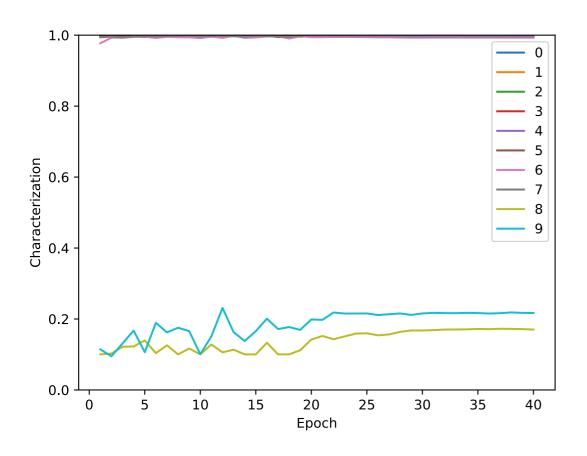
Adam

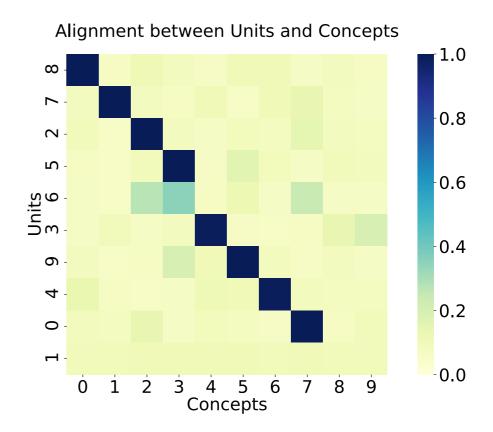






Still High accuracy, poor alignment.

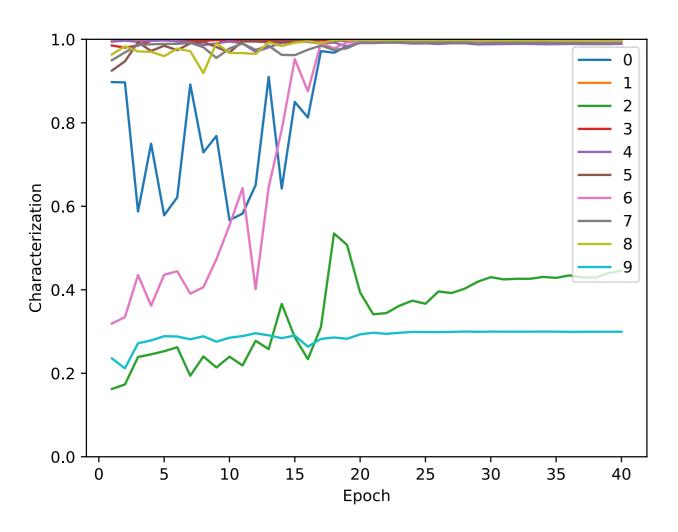


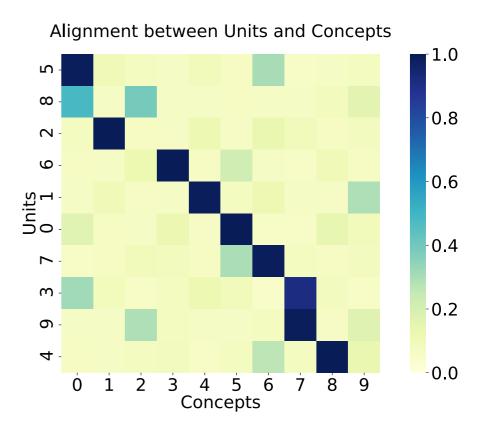


Although 8 and 9 appear frequently, they are not well characterized since they are 'useless'.

Study on characterization (1)

Digit 1-8 form 36 categories. 9 always appear with 2.





Study on characterization (1)

Digit 1-8 form 36 categories. '9' appear with 99% of '2'.

