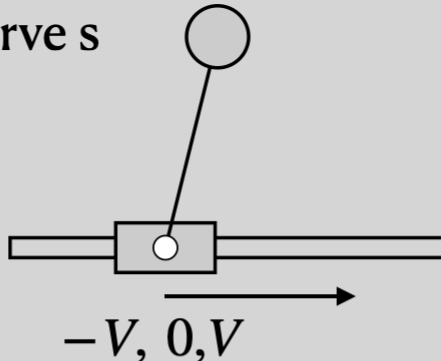
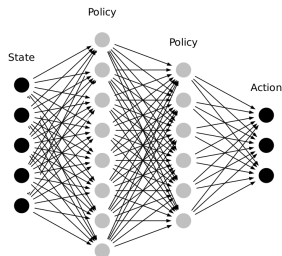


Observe  $s$



## Machine learning

DQN



Q Learning

	$a_1$	$a_2$	$a_3$
$s_1$	$Q(s_1, a_1)$	$Q(s_1, a_2)$	$Q(s_1, a_3)$
$s_2$	$Q(s_2, a_1)$	$Q(s_2, a_2)$	$Q(s_2, a_3)$
$s_3$	$Q(s_3, a_1)$	$Q(s_3, a_2)$	$Q(s_3, a_3)$
...	$Q(...)$	$Q(...)$	$Q(...)$

Action

$$a = -V, 0, V$$