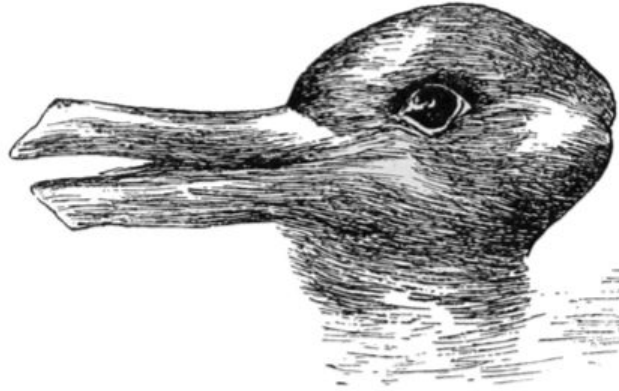


# Superposition & Measurement: Practice Questions



The duck-rabbit image above is an example that shows that:

- a) sometimes the act of measurement affects the object being measured
- b) entangling things is hard
- c) there are two possible values until the observer decides**
- d) not everyone can see the rabbit

Measurement consists of : \_\_\_\_\_ .

- a) a meter stick, paper, and a pencil
- b) standard units
- ☒ c) a question, a device, and a method
- d) following a procedure you learned in science class

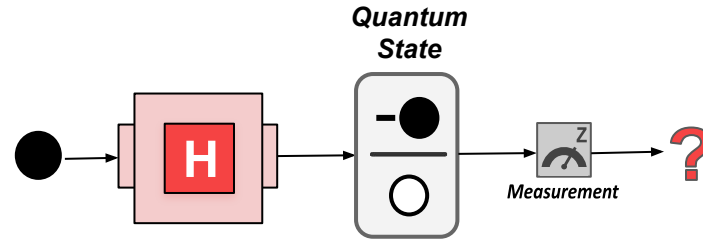
Measurement \_\_\_\_\_ affects the item being measured.

- a) always
- ☒ b) sometimes
- c) never

When measurement occurs, it \_\_\_\_\_ the state of superposition.

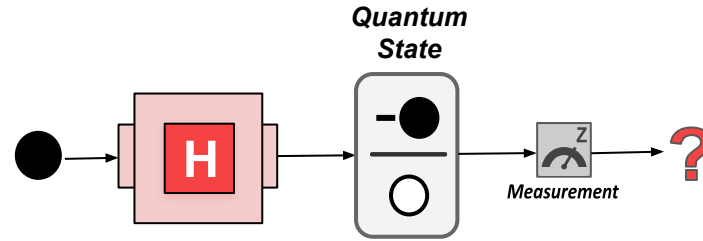
- a) toggles
- b) complicates
- ☒ c) collapses
- d) reveals

The probability of one outcome over another can not be manipulated. (true / false)



The outcome of this circuit is deterministic (always the same).

FALSE



Some information held in the quantum state is lost during measurement. (true / false)