

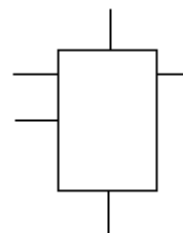
1 Link each **term** used for a latch with its **meaning**.

term
data
frozen
enable
transparent

meaning
output remains fixed
output follows data input
input that accepts information
input which makes latch transparent

2 Label the inputs and output of this latch. Use these words.

data enable output reset set



3 The sentences explain how to store and then retrieve one bit of information in a latch. What is the correct order?

- Pulse the enable input high.
- Hold the set and reset inputs low.
- Record the state of the output terminal.
- Place the information at the data terminal.

4 Label each row of this timing diagram for a latch. Choose from these words.

set
data
reset
output
enable

