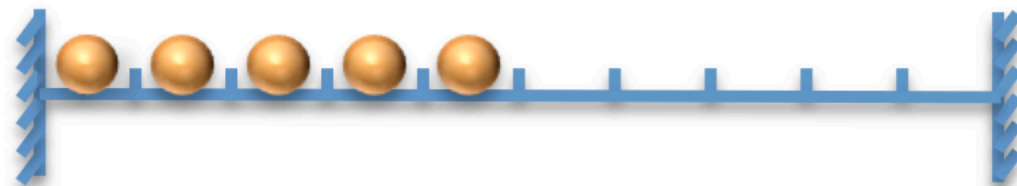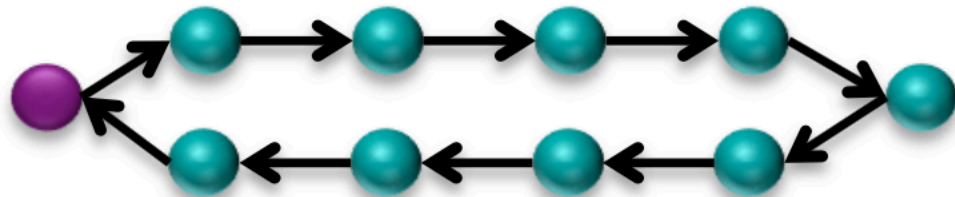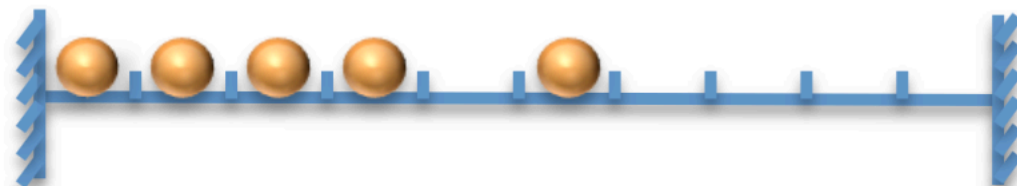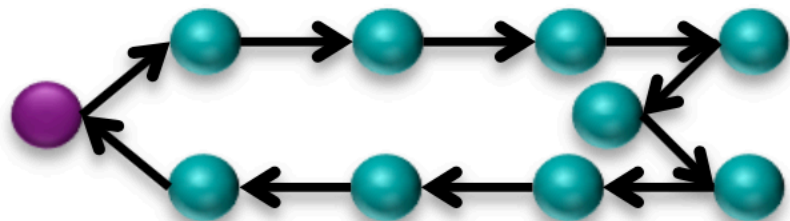Ground state:

1st Excited state:

2nd Excited state: