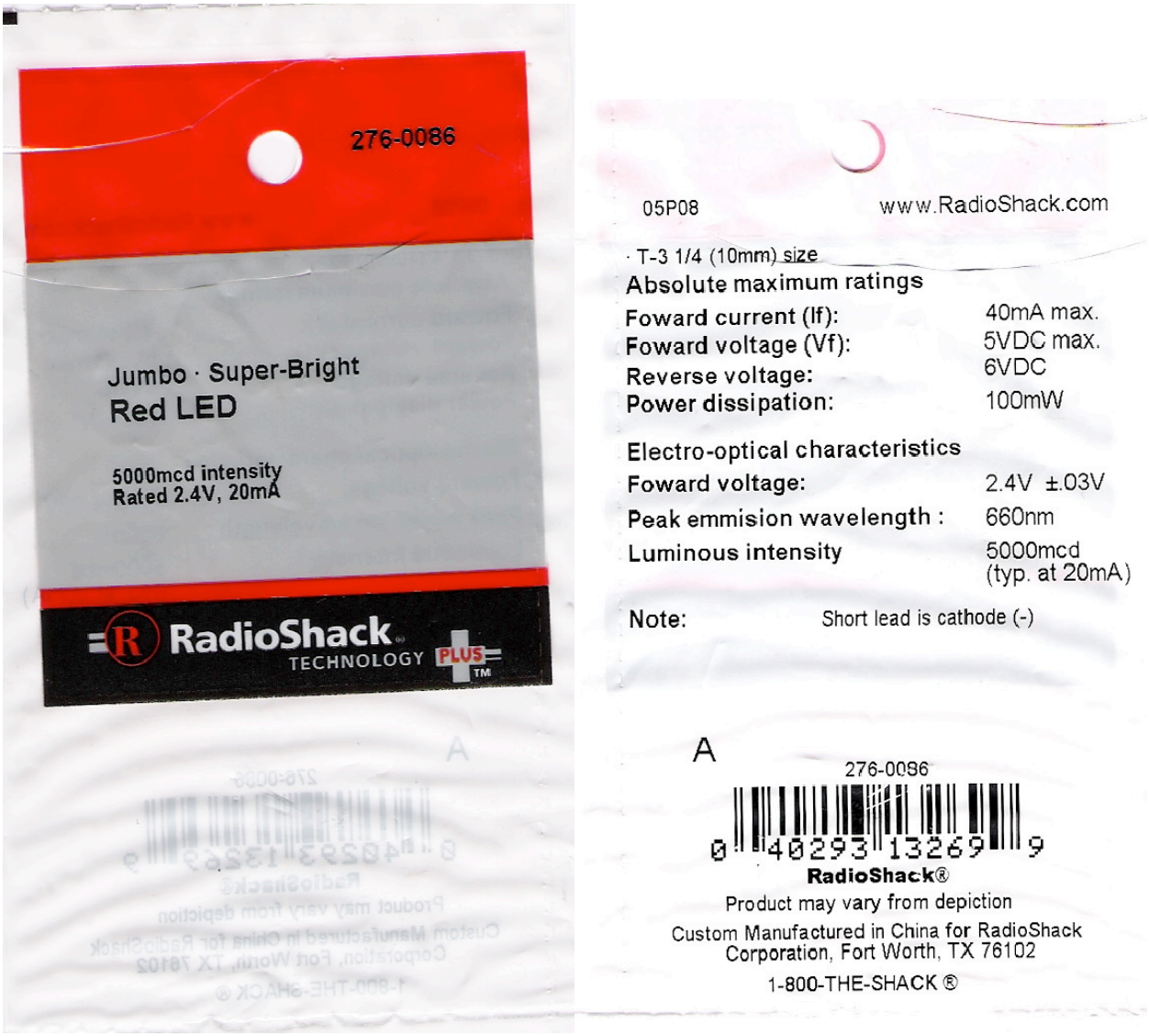

QUIZ:

1. Design a DC circuit with a 9 V battery as the source that will light this LED to an output intensity of 5000 mcd. The unit mcd is millicandela, and is a measure of the luminous intensity (brightness) or lumens per steradian, where lumens are the units of luminous flux. Both units are spectrally weighted to try to match the response of the human eye (so UV and IR LEDs by definition since they can't be viewed by the human eye.)

2. How do LEDs work?