

# DUAL TRANSISTOR MULTIVIBRATOR CIRCUIT

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



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# ASTABLE TRANSISTOR CIRCUIT

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1. You are going to use the components shown below to build an astable transistor circuit. Complete the table by:

A. Writing the correct name of each component.

B. Indicating if the function of the component is TRUE or FALSE. If FALSE, write the correct function of the component below.

COMPONENT	NAME	FUNCTION
		Used to connect to mains electricity. TRUE / FALSE  _____ _____ _____
		Shines brightly and uses little electrical power. TRUE / FALSE  _____ _____ _____
		Is a type of sensor used to detect light / dark. TRUE / FALSE  _____ _____ _____
		Stores and discharges electricity. TRUE / FALSE  _____ _____ _____
		Used to increase and decrease voltage. TRUE / FALSE  _____ _____ _____
		Used to protect other components such as LEDs TRUE / FALSE  _____ _____ _____

BATTERY SNAP

FIXED RESISTOR

CAPACITOR

TRANSISTOR

MINIATURE SLIDE SWITCH

LIGHT EMITTING DIODE

BULB

VARIABLE RESISTOR

TOGGLE SWITCH

DIODE

2. An astable transistor circuit is shown below. Label each of the components

