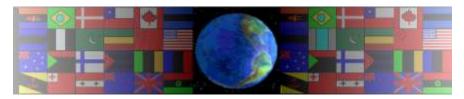
## DUAL TRANSISTOR MULTIVIBRATOR CIRCUIT

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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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
NEG AND		Stores and discharges electricity. TRUE / FALSE
		Used to increase and decrease voltage. TRUE / FALSE
M.J.		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

