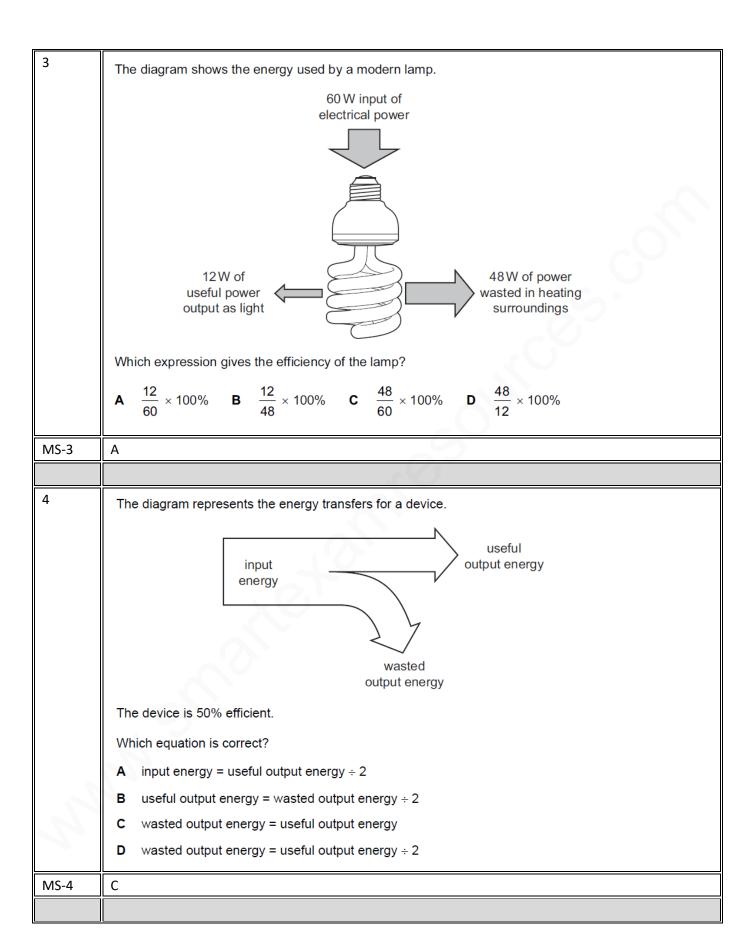
EFFICIENCY-SET-1							
1	A certain machine is very efficient.						
	What does this mean?						
	A It produces a large amount of power.						
	B It uses very little energy.						
	C It wastes very little energy.						
	D It works very quickly.						
MS-1	С						
2	Some processes are more efficient than others.						
	Which expression gives the efficiency of a process?						
	A total energy output total energy input × 100%						
	B useful energy output total energy input × 100%						
	C wasted energy output total energy input × 100%						
	D wasted energy output × 100% useful energy output						
MS-2	В						



5	A lamp has a power input of 5.0 W. It wastes 1.0 W of power heating the surroundings.						
	What is the efficiency of the lamp?						
	A 2	20% <b>B</b>	50% <b>C</b> 80	0% <b>D</b>	120%		
MS-5	С						
6	Different processes have different efficiencies.						
	Which row shows the most efficient process?						
		energy	useful energy	v			
		input/J	output/J				
	A	10	3				
	В	40	10				
	С	100	25				
	D	2000	250				
MS-6	А						
_							
7	A 150 W filament lamp has an efficiency of 10%. A 40 W compact fluorescent lamp (CFL) has an efficiency of 30%.						
	Each lamp is switched on for the same amount of time.						
	Which lamp produces more light and which lamp converts more energy into other forms of energy?						
		produces more light	converts more energy into other forms	,			
	Α	CFL lamp	CFL lamp				
	В	CFL lamp	filament lamp				
	С	filament lamp	CFL lamp				
	D	filament lamp	filament lamp				
MS-7	D						