

**KS3 Physics revision worksheet 3 - Energy Resources, Energy Transfers, Light, Sound  
Exam Question Answers**

1. (a) (i) light 1 (L4)  
 (ii) ripples on water **or** ripples 1 (L4)
- (b) Sound cannot travel through a vacuum. ✓ 1 (L4)  
 if more than one box is ticked, award no mark

[3]

2. (a) • coal 1 (L4)  
 • gas 1 (L4)

*accept 'coal fire' or 'A'*  
*accept 'gas boiler' or 'D'*  
 answers may be in either order  
*accept 'petrol' or 'petrol generator' or 'C'*  
**or 'oil'**  
 answer may be in either order  
*'fire' is insufficient*  
*'boiler' is insufficient*  
*'generator' is insufficient*

- (b) (i) • the Sun 1 (L4)  
*accept 'solar energy' or 'solar'*  
*accept 'light' or 'sunlight'*  
 references to heat are insufficient

- (ii) any **one** from 1 (L3)  
 • it is dark  
 • no light  
 • the Sun has set

*accept 'it needs light'*  
*accept 'no Sun'*  
 references to heat are insufficient

- (c) • wind 1 (L3)  
*accept 'moving air' or 'air'*  
*accept 'air currents'*