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| Consolidation checklist (Lessons 37–46) | | | | | | | |
| Look at the points in each topic. Decide if you fully understand (C:\Users\005228\Downloads\Fw_ Image\1.png) partly understand (C:\Users\005228\Downloads\Fw_ Image\2.png), or do not understand (C:\Users\005228\Downloads\Fw_ Image\3.png) each point and tick () the relevant column. This will show you the areas that you need to work on after this lesson. | | | | | | | |
| **Topic** | **Specification reference** | | **C:\Users\005228\Downloads\Fw_ Image\4.png** |  | **C:\Users\005228\Downloads\Fw_ Image\5.png** | **Lesson number** | **Student Book pages** |
| **Transport in plants** | **A** | understand why simple, unicellular organisms can rely on diffusion for movement of substances in and out of the cell |  |  |  | 37 | 16, 70–71 |
| **B** | understand the need for a transport system in multicellular organisms |  |  |  | 37 | 16, 70–71 |
| **C** | describe the role of phloem in transporting sucrose and amino acids between the leaves and other parts of the plant |  |  |  | 43 | 140, 144, 160 |
| **D** | describe the role of xylem in transporting water and mineral ions from the roots to other parts of the plant |  |  |  | 39 | 159–160 |
| **E** | understand how water is absorbed by root hair cells |  |  |  | 38 | 158 |
| **F** | understand that transpiration is the evaporation of water from the surface of a plant |  |  |  | 40 | 159–161 |
| **G** | understand how the rate of transpiration is affected by changes in humidity, wind speed, temperature and light intensity |  |  |  | 41 | 162 |
|  | **H** | *practical: investigate the role of environmental factors in determining the rate of transpiration from a leafy shoot* |  |  |  | 42, 46 | 164–166  Lab Book  48–52 |
| Problems with **Transport** **in plants**? Try questions 2, 3, 4, 6 and 9 on pp. 148–151 of the **Student Book**. | | | | | | | |
| **Tropisms in plants** | **A** | understand that plants respond to stimuli |  |  |  | 44 | 168–169 |
| **B** | describe the geotropic and phototropic responses of roots and stems |  |  |  | 44 | 169,  171– 172 |
| **C** | understand the role of auxin in the phototropic response of stems |  |  |  | 45 | 169–171 |
| Problems with **Tropisms**? Try questions 1, 2, 3, and 7 on pp. 172–173 of the **Student Book**. | | | | | | | |

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| **NEXT STEPS?** |
| Which areas do you feel confident about? |
|  |
| Write down any specific areas that you need to improve and what you might do. |
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