

## Physics Autumn Test Y10 PLC

| Do you know your Physics?                 |                                          |   |   |   |
|-------------------------------------------|------------------------------------------|---|---|---|
| 1 Energy and energy resources             |                                          | R | A | G |
| P1 Conservation and Dissipation of Energy |                                          |   |   |   |
| P1.1                                      | Changes in energy store                  |   |   |   |
| P1.2                                      | Conservation of energy                   |   |   |   |
| P1.3                                      | Energy and work                          |   |   |   |
| P1.4                                      | Gravitational potential energy stores    |   |   |   |
| P1.5                                      | Kinetic energy and elastic energy stores |   |   |   |
| P1.6                                      | Energy dissipation                       |   |   |   |
| P1.7                                      | Energy and efficiency                    |   |   |   |
| P1.8                                      | Electrical appliances                    |   |   |   |
| P1.9                                      | Energy and power                         |   |   |   |
|                                           |                                          |   |   |   |

| Do you know your Physics?     |                                                      |   |   |   |
|-------------------------------|------------------------------------------------------|---|---|---|
| 1 Energy and energy resources |                                                      | R | A | G |
| P2 Energy Transfer by Heating |                                                      |   |   |   |
| P2.1                          | Energy transfer by conduction                        |   |   |   |
| P2.2                          | <i>Infrared radiation (separate only)</i>            |   |   |   |
| P2.3                          | <i>More about infrared radiation (separate only)</i> |   |   |   |
| P2.4                          | Specific heat capacity                               |   |   |   |
| P2.5                          | Heating and insulating buildings                     |   |   |   |
|                               |                                                      |   |   |   |

| Do you know your Physics?     |                                                      |   |   |   |
|-------------------------------|------------------------------------------------------|---|---|---|
| 1 Energy and energy resources |                                                      | R | A | G |
| P3 Energy Resources           |                                                      |   |   |   |
| P3.1                          | Energy Demands                                       |   |   |   |
| P3.2                          | Energy from wind and water                           |   |   |   |
| P3.3                          | Power from the Sun and Earth                         |   |   |   |
| P3.4                          | Energy and the environment                           |   |   |   |
| P3.5                          | Big energy issues                                    |   |   |   |
|                               |                                                      |   |   |   |
|                               |                                                      |   |   |   |
| Do you know your Physics?     |                                                      |   |   |   |
| 2. Particles at Work          |                                                      | R | A | G |
| P4 Electric Circuits          |                                                      |   |   |   |
| P4.1                          | <i>Electrical charges and fields (separate only)</i> |   |   |   |
| P4.2                          | Current and charge                                   |   |   |   |
| P4.3                          | Potential difference and Resistance                  |   |   |   |
| P4.4                          | Component characteristics                            |   |   |   |
| P4.5                          | Series circuits                                      |   |   |   |

|      |                   |  |  |  |
|------|-------------------|--|--|--|
| P4.6 | Parallel circuits |  |  |  |
|      |                   |  |  |  |