Cambridge International Examinations
Cambridge Primary Checkpoint

## SCIENCE

## MARK SCHEME

Maximum Mark: 50

| Question number | 1 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
|  | 2 | a beam of light from a torch a girl unscrewing a jar a horse pulling a cart a man pushing a trolley the sound of a drum | three correct $=2$ marks one or two correct = 1 mark <br> four or five ticked = 0 marks |
| Total | 2 |  |  |


| Question number | $\mathbf{2}$ |  |  |
| :--- | :---: | :--- | :--- |
| Part | Mark | Answer | Further Information |
|  | 3 | plant / producer <br> plankton <br> Sun | each correct sentence $=1$ <br> mark |
| Total | 3 |  | Accept sunlight / light |


| Question number | 3 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
| (a) | 1 | (idea that) lamp will light | Accept that the lamp will work / the lamp is bright / lamp turns on |
| (b) | 1 | copper <br> glass <br> plastic <br> wood | Accept any indication of the correct answer <br> more than one answer circled $=0$ marks |
| (c) | 1 | brass gold <br> rubber <br> silver | Accept any indication of the correct answer <br> more than one answer circled $=0$ marks |
| Total | 3 |  |  |


| Question number | $\mathbf{4}$ |  |  |
| :---: | :---: | :--- | :--- | :--- |
| Part | Mark | Answer | Further Information |


| Question number | 5 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Part | Mark | Answer |  |  | Further Information |
| (a) | 1 | When a string of a guitar vibrates a sound is produced. <br> A unit of loudness of sound is the decibel. | true <br> $\checkmark$ <br> $\checkmark$ | false $\square$ | both needed for mark <br> three or four ticked $=0$ marks <br> Accept any indication of the correct answer |
| (b) | 1 | Sound travels at the same speed in all solid materials. <br> The speed of sound in space is the same as the speed of sound in air. | true | false $\square$ | both needed for mark <br> three or four ticked $=0$ marks <br> Accept any indication of the correct answer |
| Total | 2 |  |  |  |  |



| Question number | 7 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
|  | 3 |  | eight correct $=3$ marks <br> five, six or seven correct $=2$ marks <br> one, two, three or four correct $=1$ mark |
| Total | 3 |  |  |


| Question number | 8 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
| (a) | 1 | shadow | Ignore puppet |
| (b) | 2 |  | three correct $=2$ marks <br> one or two correct = 1 mark <br> more than one line drawn from an image $=0$ marks for that image |
| Total | 3 |  |  |



| Question number | 10 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
| (a) | 1 | animal dispersal insect dispersal self-dispersal water dispersal <br> wind dispersal | Accept any indication of the correct answer <br> more than one answer circled $=0$ marks |
| (b) | 1 | animal dispersal <br> insect dispersal <br> self-dispersal <br> water dispersal <br> wind dispersal | Accept any indication of the correct answer <br> more than one answer circled $=0$ marks |
| Total | 2 |  |  |


| Question number | $\mathbf{1 1}$ |  |  |
| :---: | :---: | :--- | :--- |
| Part | Mark | Answer | Further Information |
| (a) | 1 | A liquid that dissolves a solid is called <br> a solvent. |  |
| (b) | 1 | A substance that does not dissolve in <br> water is insoluble. |  |
| (c) | 1 | A substance that dissolves in water is <br> soluble. |  |
| (d) | 1 | A substance is dissolved in water. <br> This substance is called the solute. |  |
| (e) | 1 | The mixture of a substance dissolved <br> in water is called a solution. |  |
| Total | 5 |  |  |


| Question number | 12 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
| (a) | 1 | Earth Jupiter Mars Mercury venus | Accept any indication of the correct answer <br> more than one answer circled $=0$ marks |
| (b) | 1 | Earth Jupiter Mars Mercury venus | Accept any indication of the correct answer <br> more than one answer circled $=0$ marks |
| (c) | 1 | Earth Jupiter Mars | Accept any indication of the correct answer <br> both correct = 1 mark more than two circled $=0$ marks |
| Total | 3 |  |  |


| Question number | 13 |  |  |
| :---: | :---: | :--- | :--- |
| Part | Mark | Answer | Further Information |
| (a) | 2 | sight to see the rain | one mark for each correct <br> answer <br> each correct answer must <br> have the sense and what is <br> sensed |
| (b) | 1 | so he can move out of the rain / so he the rain <br> knows he is getting wet | Accept any suitable <br> reaction to rain e.g. use an <br> umbrella / put a coat on / to <br> protect himself |
| Total |  |  |  |


| Question number | 14 |  |  |
| :---: | :---: | :---: | :---: |
| Part | Mark | Answer | Further Information |
|  | 2 | storer activity | four correct = 2 marks two or three correct = 1 mark one correct $=0$ marks <br> If more than one line drawn from a statement $=0$ marks for that statement |
| Total | 2 |  |  |


| Question number | $\mathbf{1 5}$ |  |  |
| :---: | :---: | :--- | :--- |
| Part | Mark | Answer | Further Information |
| (a) | 1 | $34(\mathrm{~mm})$ | $\begin{array}{l}\text { Accept any answer in the } \\ \text { range } 33-35(\mathrm{~mm})\end{array}$ |
| (b) | 2 | $\begin{array}{l}\text { roots have branched / roots are divided / } \\ \text { roots are bigger / roots are longer } \\ \text { there is a stem }\end{array}$ | Accept root growth |
| Accept there is a shoot |  |  |  |
| Do not accept there is a |  |  |  |
| stalk / the seed has |  |  |  |
| sprouted |  |  |  |
| Do not accept there are |  |  |  |
| petals |  |  |  |$]$


| Question number | 16 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Part | Mark | Answer |  |  | Further Information |
| (a) | 1 | melting / melt(s) / solid to liquid |  |  | Accept turns to liquid <br> Do not accept it boils / solid to liquid to gas <br> Do not accept references to ice / water / steam / water vapour |
| (b) | 1 | boiling / boil(s) / liquid to gas |  |  | Accept evaporation or turns to gas <br> Do not accept it melts / solid to gas / solid to liquid to gas <br> Do not accept references to ice / water / steam / water vapour |
| (c) | 3 | solid at <br> room <br> temperature liquid at <br> temperature gas at room <br> temperature <br> (B) (E) (D) <br> G C H <br>  A  <br>  F  |  |  | five correct = 3 marks <br> three or four correct $=2$ marks <br> one or two correct = 1 mark <br> Ignore extra letters e.g. E in column one <br> If more than one of a particular letter in table then $=0$ marks for that letter e.g. letter G in column one and letter $G$ in column two |
| Total | 5 |  |  |  |  |

