

Young Horticulturist of the Year 2024

Round 1 Questions and Answers

No.	Question	<div>© 2024 Chartered Institute of Horticulture All Rights Reserved</div> Answer
1	<p>Match the following plants with their botanical names</p> <p>Plants: Marigold, Pheasant berry, Mexican orange blossom, Dandelion</p> <p>Botanical Names: <i>Taraxacum officinale</i>, <i>Choisya ternata</i>, <i>Tagetes erecta</i>, <i>Leycesteria formosa</i></p>	<p>Marigold: <i>Tagetes erecta</i></p> <p>Pheasant berry:<i>Leycesteria formosa</i></p> <p>Mexican orange blossom: <i>Choisya ternata</i></p> <p>Dandelion: <i>Taraxacum officinale</i></p>
2	What do the initials PBR stand for?	Plant breeders’ rights
3	What colour are the buds of a common ash tree, <i>Fraxinus excelsior</i> ?	<p>Black</p> <p>(other accepted answers: black/grey, grey)</p>
4	In what situation would you find a marginal plant?	A pond
5	Which of the following are types of secateur: Bypass and anvil, Anvil and cross-over, Spear point and bypass, Cross-over and Littauer	Bypass and anvil
6	What does the acronym PPE stand for?	Personal protective equipment

No.	Question	Answer
7	<p>Which answer is correct?</p> <p>The purpose of lawn spiking is to: Aerate the lawn, Increase organic matter, Prevent pests, Allow beneficial insects to overwinter</p>	Aerate the lawn
8	What insect features on the RHS pollinator friendly plant labels?	<p>Bee</p> <p>(other accepted answers: honey bee, bumblebee)</p>
9	<p>What is the study of fruit production called?</p> <p>Pomology, Silviculture, Permaculture, Agroforestry</p>	Pomology
10	<p>Match the following descriptive epithet with its meaning:</p> <p>Ephithet: <i>abundiflorus</i>, <i>alatus</i>, <i>officinalis</i>, <i>reptans</i></p> <p>Meaning: creeping, flowering abundantly, winged, medicinal</p>	<p><i>abundiflorus</i>: flowering abundantly</p> <p><i>alatus</i>: winged</p> <p><i>officinalis</i>: medicinal</p> <p><i>reptans</i>: creeping</p>
11	The Swedish scientist Carl Linnaeus is famous for creating the _____ system of plant naming	binomial

No.	Question	Answer
12	True or False: Ladybirds, wasps and lacewings are all beneficial insects	True
13	Transpiration is the loss of water/moisture from what on the leaf?	The stomata
14	True or False: Pome is the botanical term for a peach	False, pomes are apples, pears, nashi and quince
15	Match these Jasmin species to their flowering season Jasim: <i>Jasminum officinale</i> , <i>Jasminum nudiflorum</i> Season: winter, summer	<i>Jasminum officinale</i> : summer <i>Jasminum nudiflorum</i> : winter
16	Which of the following <i>Quercus</i> (oak), has sessile acorns? Quercus robur or Quercus petraea	Quercus petraea
17	In which of these habitats is <i>Anemone nemorosa</i> usually found: A. Apple orchard B. woodland C. marsh or D. prairie?	B: woodland

No.	Question	Answer
18	In the botanical name for sunflower <i>Helianthus annus</i> , what period of time does the species <i>annus</i> refer to?	Annual (other acceptable answers, 1 year, yearly, once a year)
19	True or False: Meristem can be found in roots, stems, nodes and buds?	True
20	What process is this equation for? $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$	Photosynthesis
21	In what type of soil is leaching more likely?	Sandy
22	If you found the plant <i>Fallopia japonica</i> , why would you be concerned? A: it is a very large shrub, B: It is an invasive weed, or C: It is poisonous	B: It is an invasive weed
23	What does the acronym HASAWA stand for?	Health and Safety At Work Act

No.	Question	Answer
24	<p>Which of the following is NOT an edible plant?</p> <p>A. <i>Foeniculum vulgare</i></p> <p>B. <i>Chamaemelum nobile</i></p> <p>C. <i>Rosmarinus officinalis</i></p> <p>D. <i>Convallaria majalis</i></p>	<p>D: <i>Convallaria majalis</i>, Lilly of the valley, it is highly toxic and affects the heart</p>
25	<p>Soil can be acidic, alkaline or what?</p>	<p>Neutral</p>
26	<p>What herb beginning with ‘A’ has soothing properties?</p>	<p>Aloe vera</p>
27	<p>Which of these is NOT a winter crop?</p> <p>Cabbage, leek, parsnip or tomato?</p>	<p>Tomato</p>
28	<p>In what bundle would you find xylem and phloem?</p>	<p>Vascular</p>
29	<p>True or False:</p> <p>The term herbaceous refers to plants that flower, set seed and die back in the same year, to grow again in the following year</p>	<p>True</p>

No.	Question	Answer
30	<i>Salix</i> is the Latin name for what?	Willow
31	<i>Crataegus monogyna</i> , hawthorn, flowers in what month?	May
32	Stratification is a word to describe something you do to encourage what?	Germination
33	Lily beetles are destructive pests to lilies but what colour are they?	Red
34	What is a plumb line used for? A: Measuring a horizontal slope, B: Measuring the fall of a pipe, C: used as a vertical reference line or D: unblocking a drain	C: used as a vertical reference line
35	Which pigment makes plants green?	Chlorophyll
36	Strawberries, peaches, apples and apricots are in the	Rose or Rosaceae

No.	Question	Answer
37	<p>Match the following</p> <p>Wilt, Box blight, Blossom end rot, Phytophthora Plum pox</p> <p>Disorder, fungus, disease, Virus, Fungus</p>	<p>Wilt: Stress</p> <p>Box blight: Disease</p> <p>Blossom end rot: Disorder</p> <p>Phytophthora: Fungus</p> <p>Plum pox: Virus</p>
38	<p>In order to spray chemicals with a knapsack sprayer, you would need to hold the _____ and _____ qualifications</p>	<p>PA1 and PA6</p>
39	<p>The use of dwarf foliage plants to create complex flat patterns or pictures is called _____ bedding</p>	<p>Carpet (other acceptable answers: floral)</p>
40	<p>Why do you dead head flowering plants?</p> <p>To prevent pest and disease</p> <p>Encourage further flowering</p> <p>Help with pollination</p>	<p>Encourage further flowering</p>

*“The 2025 competition opens online
on Saturday 1st February 2025”*



Please note, we cannot give feedback on individual entries, and will not be taking queries on questions and or answers



Bulldog
Wigan, England Since 1780

Tools that stand the
test of time

- Hand turned wood
- Shaft buried deep into the socket
- Head and socket forged from a single piece of steel

200 LBS
STURDIEST
SHOVEL
EVER MADE

ONE PRICE
OF STEEL

www.bulldogtools.co.uk

Young Horticulturist of the Year

Grand Final

Chartered Institute of Horticulture
#YHOY
@CIHort

The Grand Final is generously sponsored by the Shropshire Horticultural Society and The Percy Thrower Bursary

Young Hort '24