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History

1. In it's earliest origins, what was the function of tea?
= *medicinal*
2. When are the earliest origins of tea – to within 100 years?
= *2700 BC*
3. In what year was the Boston Tea Party?
= *1773 then in three sentences describe*
4. What caused the BTP?
= *American protest at British tax rules.*
5. What happened?
= *British vessels boarded and tea chest dumped in Boston Harbour.*
6. What was the result?
= *Ultimately the War of Independence*
7. Who, what or when is “Lu Yu”?
= *Chinese scholar who wrote the definitive tea text “Ch’a Chang”*
8. In what year did the teabag first make an appearance?
= *1903*
9. How was the teabag discovered?
= *small silk bags had been used as sample bags were found to be “brewable”*
10. What is the name given to the Chinese tea ceremony?
= *Kung-fu*
11. What is the name given to the Japanese tea ceremony?
= *No yu cha*

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Geography

12. Roughly speaking, between which degrees of latitude is tea most commonly grown?
= *approx. 15s to 30n*
13. What type soil will support the tea bush, acidic, neutral or alkali?
= *acidic*
14. Approximately how much rainfall is required per annum for successful growth?
= *more than 50 ins a year*
15. At what altitude is the region of Assam?
= *approx 300 ft*
16. At what altitude is the region of Darjeeling?
= *approx 5000-7000 ft*

Biology

17. What are the 2 most common genus of the tea bush : Camellia.....?
= *sinensis*
18. and Camellia
= *assamica*
19. How do the leaves appearance differ?
= *Sinensis- small, assamica large*
20. What happens during fermentation?
= *Tea reacts with oxygen, goes from green to copper.*
21. How do the flavonoids in tea assist in the removal of carcinogens in the human body?
= *they act as antioxidants to help rid body of free radicals (eg. Carcinogens)*



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Manufacture

22. Using just the headings : Plucking / Withering / rolling / fermentation / drying / sorting (in the correct order) describe manufacture of Oolong and :
= *Plucking / Withering / rolling / drying / sorting*
23. Green tea
= *Plucking / Withering / rolling / drying / sorting*
24. White tea
= *Plucking / Withering / drying / sorting*
25. Black tea
= *Plucking / Withering / rolling / fermentation / drying / sorting*
26. What does "CTC" stand for?
= *Cut, torn and curled*
27. Why was CTC manufacture developed?
= *primarily for tea bag use, faster infusing.*
28. How does CTC differ from Orthodox?
= *Mechanically "mashed" .v. gentle rolling under pressure.*
29. In "quality manufacture" what part of the tea bush must be plucked?
= *Top 2 leaves and the bud*
30. What percentage of moisture is extracted during withering ?
= *approx 75%*
31. What percentage of moisture remains after firing?
= *approx 3-4%*
32. What is the most important step of manufacture ?
= *fermentation/oxidisation*
33. Why is your selection deemed the most important step ?
= *determines flavour and colour*



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Fairmont / Lot 35 / How-to videos

34. How much tea would be used for a single serving of black tea?
= *one heaping teaspoonful*
35. Would you add milk to green tea?
= *no*
36. What happens if you add milk to a fruit tea?
= *it will curdle*
37. Why?
= *the acidic hibiscus lowers the pH value so calcium precipitates the casein i.e. curdles.*
38. How long would you usually infuse herbal tea for?
= *4-5 mins*
39. At what temperature would you brew Oolong at?
= *208f / 98c*
40. For how long would you usually infuse white tea
= *2-3 mins*
41. What happens if you over-boil water?
= *Oxygen is depleted and tea quality is diminished*
42. Which of the following has caffeine present : Peppermint, Rooibos or chamomile?
= *None*
43. Teas from which two countries are used in the Imperial Breakfast blend?
= *Kenya and India (Assam)*
44. Name one tea growing district in China.
= *Anhui, Fujian, Yunnan etc.*
45. What are the pyramid teabags constructed of?
= *Soilon, PLA.*



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Acronyms

46. Re-arrange **all** the following letters to produce a tea grade: O F P T G ?
= *TGFOP*
47. What origin(s) would this grade typically be applied to?
= *Indian*
48. What does "ETP" stand for – both the letters **and** the body itself?
= *Ethical tea partnership. Upholding ethical, moral, environmental standards*
49. What does "LTP" stand for?
= *Lawrie tea processor*
50. What is LTP?
= *a crude CTC process.*
51. What is ECGC?
= *epigallocatechin-3-gallate*

Tea Blending

52. What is the purpose behind the art of tea blending?
= *To ensure year round uniformity of a seasonal produce*
53. Describe the liquoring characteristics of : Darjeeling?
= *Light, flowery, bright, aromatic, honetsuckle, muscatel.*
54. Assam
= *thick, coloury, malty,*
55. Sri Lanka
= *light, bright, brisk, flavoury*
56. Kenya
= *bright, coloury, flavoury, brisk.*
57. Jasmine
= *light, fragrant, green*



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Frequently asked questions

58. What is a “Pu-erh” Pie / cake (use internet if necessary, to research)
= Loose tea, compressed
59. Where does it come from ? (use internet if necessary, to research)
= Yunnan, around city of Pu'er
60. Compared to regular black tea, what is the additional manufacture step to make Pu-erh? ? (use internet if necessary, to research)
= Extra fermentation.
61. How many grams of tea are used to make a typical 8oz cup of tea?
= approx 2gm
62. Explain the history and flavour of Earl Grey tea.
= Earl Grey saved a Chinese tea blender's son and was given the recipe in thanks.
63. I have a stomach ache, is there a “tea” I should be drinking to ease it? (name the “tea”)
= peppermint
64. Is it true that green tea is caffeine free?
= no
65. Are the contents of teabags just “floor sweepings”? – please explain your answer.
= No, it's a specifically manufactured grade.
66. Which specific tea is your favourite, and why?
67. In it's dry leaf form, Japanese Matcha has a consistency similar to what?
= talcum powder
68. Is Rooibos a member of the Camellia family?
= no
69. Where is Rooibos grown?
= RSA
70. Why is “White Tea” called “White Tea”?
= denotes a pale liquor and also often white tippy leaf appearance.
71. What is Bubble Tea?
= a dessert drink made of tapioca, milk and flavouring

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Health and Wellness

- 72 ECGC is a catechin, a type of flavonoid - a polyphenol with anti-oxidant properties. Why do plants produce polyphenols?
= *To protect against parasites and climatic stress.*
- 73 What compound, found in tea, increases one's Alpha brain wave activity ? : L-Theanine, EGCG, Tannin or Flavonoids?
= *L-Theanine*
- 74 How does the above chosen compound make you feel?
= *Alert yet relaxed*
- 75 Which tea is generally found to have the concentration of polyphenols: Low, Medium or High Grown Tea?
= *High grown*
- 76 How much caffeine is typically found in a 8oz cup of Black Tea: 40, 70, 100 or 150 mg?
= *70mg*
- 77 How much caffeine is typically found in a 8oz cup of Coffee: 40, 70, 100 or 150 mg?
= *150mg*
- 78 Which of these is known to have high levels of Vitamin C: Mate, Camomile, Peppermint or Rosehip?
= *Rosehip*

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Please watch the 6 CDs and then answer to following:

Jasmine

1. What is the name of the famous tea growing mountains in Fujian?
= *Wuyi*
2. What process does man perform on the bushes to encourage new, horizontal growth of shoots?
= *Pruning*
3. When are the top quality Jasmine blossoms harvested?
= *June*
4. How long does it take for one "scenting" session?
= *overnight / 12 hrs*
5. How many sessions would be required for the top quality Jasmies (you can give a range)?
= *3-5*
6. How are the blossoms removed from the tea prior to the next scenting session?
= *sieving, leaf-grader*

Sencha

1. What is the name of the prefecture visited?
= *Shizuoka*
2. What shape are Japanese tea bushes pruned into and why?
= *Bread-loaf, maximize growth and plucking surface*
3. What are the 3 periods of tea harvesting in Japan?
= *Apr-early May, June, Sept-Oct*
4. How is fermentation halted?
= *by application of steam*
5. How would one describe the "feel" of a Sencha leaf?
= *waxy, silky, slippery*
6. What happens to the stalk that is sorted from the leaf?
= *Used in manufacture of bottle, iced teas*

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Lapsang Souchong

1. What is the name of the visited UNESCO reserve we visit?
= *Wuyishan Biosphere Reserve*
2. How old are some of the bushes said to be?
= *1000yrs +*
3. The burning of what wood is used in the manufacture of Tong Mu?
= *Local pine*
4. How many kilos of leaf might be plucked per day here?
= *4kg*
5. For how many hours is the tea withered in the smoky atmosphere?
= *10-14 hrs*
6. How much moisture is removed during final drying?
= *Approx 95%*

Oolong

1. In Anxi County what proportion of families are involved in tea?
= *1 in 3*
2. Typically what is the size of tea farms in this area?
= *under 10 acres*
3. How long does the manufacture process take?
= *36-48 hrs*
4. Which part of the manufacturing process provides the tea's flavour?
= *Fermentation*
5. How many rounds of compressing, rolling and rotating is required in the first "session"?
= *10*
6. How is the tea sorted?
= *by hand*

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Kenya

1. At what altitude is quality tea grown in Kenya?
= *5600 – 7000 ft*
2. From what propagation process does the majority of Kenyan tea originate ?
= *Clonal*
3. What is the name given to the expanse of leaf from which a plucker will pluck?
= *plucking table*
4. Why would herbicides not be needed?
= *if there's a dense plucking table.*
5. Why are Eucalyptus trees grown on the tea estate?
= *for fuel*
6. How many tons of “made” tea might a Kenyan tea factory produce?
= *5000 tons a year*

Camomile

1. At what time of year is “peak season” for Camomile?
= *March/early April*
2. On flooding, by how much is the depth of The River Nile increased?
= *40-50 feet*
3. How many grades of Camomile are there?
= *3*
4. In the early season, how frequently are full flower heads plucked?
= *every 3-5 days*
5. How long does the drying process take?
= *3 days*
6. What part of the flower is used in our teabags?
= *the Florets*