

(Alcohols (properties, uses, reactions))

Q1. (2018)

any **one** from:

- fuel
- solvent
- antiseptic

Q2. (2018)

ferment(ation)

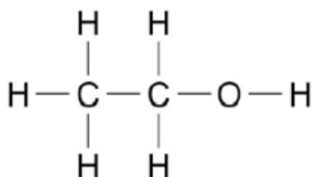
add yeast

anaerobic (conditions)

or

warm

Q3. (2018)



Q4. (2018)

hydrogen

Q5. (2018)

oxidising (agent)

Q6.a). (2021)

circle around HO– **or** –OH
on monomer **A**

Q6. b). (2021)

H₂O

and

HCl

Q7. a). (2021)
fermentation

Q7. b). (2021)
warm

anaerobic (conditions)

Q8. (2021)
(conversion)
200 km = 200,000 m

$$(\text{moles} =) \frac{200000 \times 1.95 (\text{mol})}{1300}$$

$$= 300 (\text{mol})$$

Q9. (2021)
 $\text{C}_4\text{H}_9\text{OH} + 6 \text{O}_2 \rightarrow 4 \text{CO}_2 + 5 \text{H}_2\text{O}$

Q10. a). (2023)

$$(\text{mass} =) \frac{39.8}{29.6} (\times 1)$$

$$= 1.34 (\text{g})$$

Q10. b). (2023)
all six points plotted correctly

Q10. c). (2023)
40.6 (kJ)