

2. OneDrive



How far had racial equality been achieved by 1968?

Complete your section of the table on OneDrive

What had been achieved?

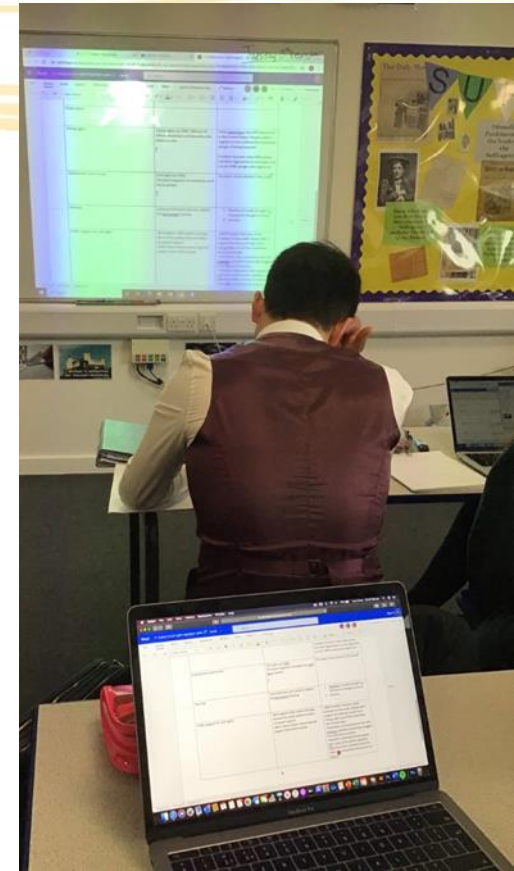
Limitations of change



- Education
- Transport
- Public places
- Voting rights
- Employment and income
- Housing
- Public support for civil rights



	ability to vote.	register to vote without the immediate danger of being harassed. Freedom Summer: only 1600 people had their registration to vote approved out of 17000 people who registered.
Employment and income ;) : <td>Civil rights act 1964. The black migration increased the work force needed.</td> <td>The labour force shrank in the south</td>	Civil rights act 1964. The black migration increased the work force needed.	The labour force shrank in the south
Housing :D	Coloured Americans became eligible for <u>low income</u> housing.	<ul style="list-style-type: none"> Northern Crusade brought no permanent change to slums. Ghettos.
Public support for civil rights	-Birmingham 1963 media coverage showed the public police brutality – increased support. -MLK I have a dream speech gained support from white people.	-1964 Freedom Summer, some members of the public clearly didn't support the attempt to get more voting rights as 6 of the volunteers were found dead. -Greensboro sit-in protestors met with <u>violence</u> , protestors physically dragged from the lunch counters. -Malcolm X alienated white people with some of his earlier speeches. -Strikes from white people during the war who didn't want to work with African American. Little Rock Nine, students forced to enter the school later because of an angry white mob protesting against the integration.



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24. A student carries out a titration to determine the concentration of sodium hydroxide solution. The student weighs the hydrochloric acid solution a standard volume of sodium hydroxide solution. The reaction is:

$$\text{NaOH(aq)} + \text{HCl(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(l)}$$

- The student prepares 100 cm³ of 0.100 mol dm⁻³ NaOH in a 250 cm³ standard flask.
- The hydrochloric acid is added to a 100 cm³ burette.
- The student obtained the following readings on the 100 cm³ burette.

The student's burette readings are shown in the table. The rough titre has been obtained.

Final reading / cm ³	00.00	00.00	00.00
Initial reading / cm ³	0.00	00.00	00.00
Titre / cm ³	24.2	23.85	24.20

25. In the titration, the student measured volume with a pipette and a burette.

- The pipette has an uncertainty of ± 0.04 cm³ to the volume measured.
- The burette has an uncertainty of ± 0.05 cm³ to the volume measured.

Compare whether the volume measured by the pipette or the volume measured by the burette has the greater percentage uncertainty.

Pipette

$$\frac{0.04}{25} \times 100 = 0.16\%$$

Burette

$$\frac{0.05}{24.25} \times 100 = 0.21\%$$

24.25

N_5Cl_2
 $n = 0.0375$

$\frac{0.0375}{100} = 0.000375$

$\frac{0.000375}{0.000375} = 1$

3 10 → 0.309

my original piece

26. Describe what the student should do next to obtain reliable results for the titration.

Do more readings, making sure that they obtain 3 concordant results. This will make the titre more average.

27. The student carries out a titration to determine the concentration of sodium hydroxide solution. The reaction is:

$$\text{NaOH(aq)} + \text{HCl(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(l)}$$

- Calculate the amount, in moles, of NaOH used in the titration.
- The student's burette readings are shown in the table.

Mass of weighing bottle + substance / g	10.10
Mass of weighing bottle / g	10.00

28. The student carries out a titration to determine the concentration of sodium hydroxide solution. The reaction is:

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Initial reading: 0.65 ml ✓

Final reading: 22.85 ml ✓

Titre: 22.20 ml ✓