

1 (ここには1の解答を記入すること。)

問 1 (1)

(2)

(3)

(4)

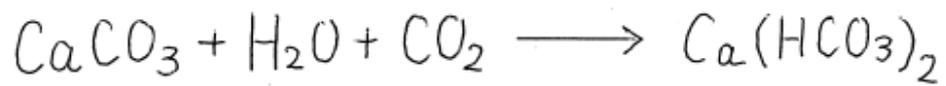
問 2 (1)

(2)

問 3

(a)	(b)	(c)	(d)
-----	-----	-----	-----

問 4



問 5

$$2.1 \times 10^{-4}$$

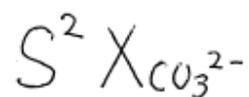
問 6

$$[\text{H}^+]^2 + K_1[\text{H}^+] + K_1K_2$$

問 7 (1)

(a)	(b)	(c)
-----	-----	-----

(2)



(3)

$$+ 2.2 \times 10^{-3}$$

2 (ここには2の解答を記入すること。)

問 1

(a)	(b)	(c)	(d)	(e)
-----	-----	-----	-----	-----

問 2

(a)	(b)	(c)	(d)	(e)
-----	-----	-----	-----	-----

問 3

$$2Al + 2NaOH + 6H_2O \rightarrow 2Na[Al(OH)_4] + 3H_2$$

問 4

1.7

問 5 ア

(a)	(b)	(c)	(d)
-----	-----	-----	-----

イ

(a)	(b)	(c)	(d)
-----	-----	-----	-----

問 6 (1)

(a)	(b)	(c)	(d)
-----	-----	-----	-----

(2)

$$O_2 + 4H^+ + 4e^- \rightarrow 2H_2O$$

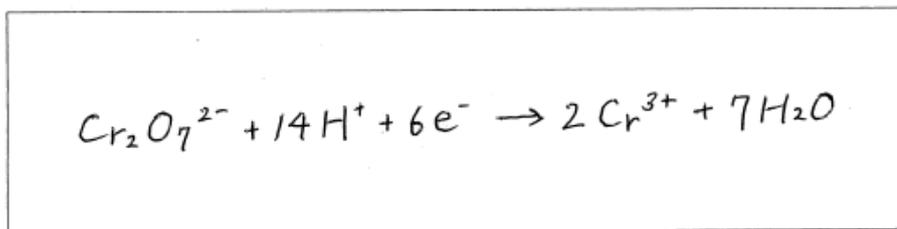
(3)

1.93×10^5

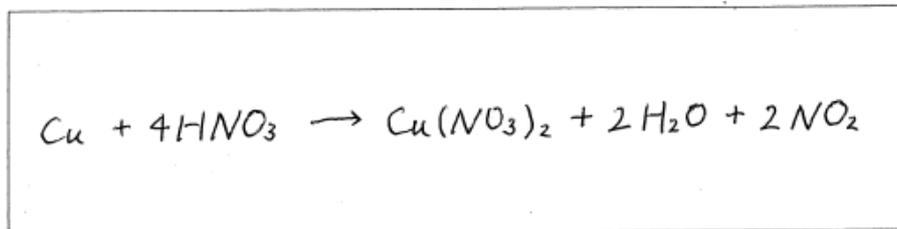
問 7

(a)	(b)	(c)	(d)	(e)	(f)
-----	-----	-----	-----	-----	-----

問 8



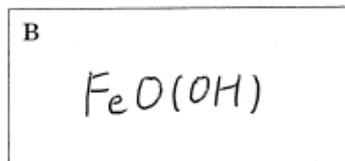
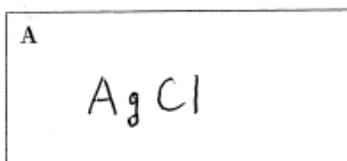
問 9 (1)



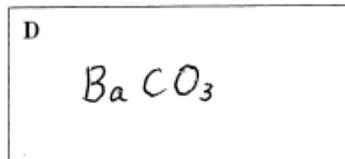
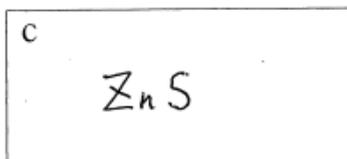
(2)

(a)	(b)	(c)
-----	-----	-----

問10



※ 水酸化鉄(Ⅲ)は、条件により組成が異なる。
 $\text{Fe}_2\text{O}_3 \cdot n\text{H}_2\text{O}$ のように表されることもある。



問11 E

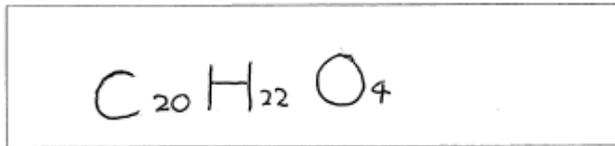
(a)	(b)	(c)	(d)	(e)	(f)
-----	-----	-----	-----	-----	-----

F

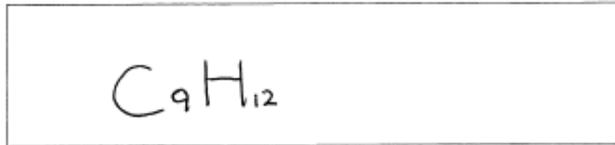
(a)	(b)	(c)	(d)	(e)	(f)
-----	-----	-----	-----	-----	-----

3 (ここには3の解答を記入すること。)

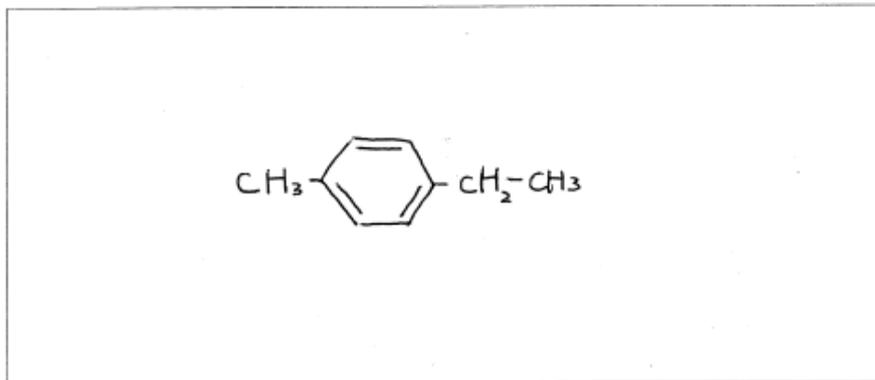
問 1



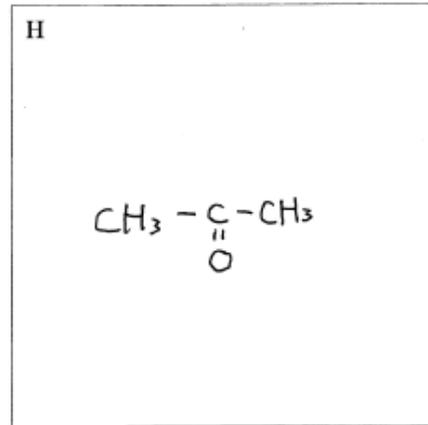
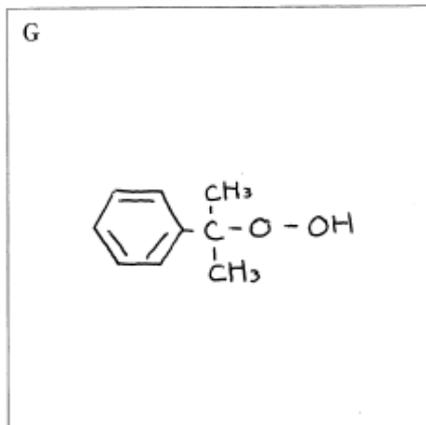
問 2



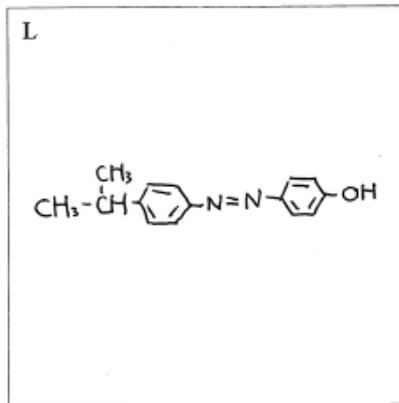
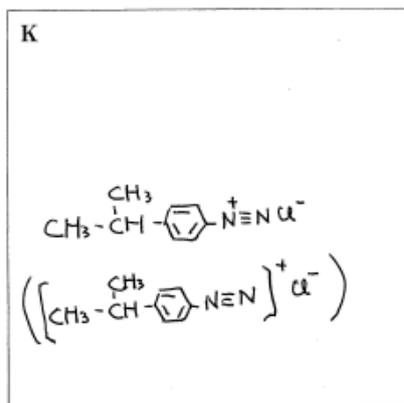
問 3



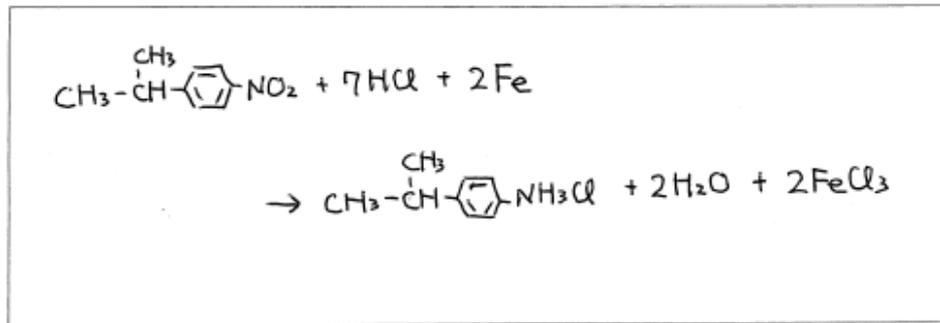
問 4



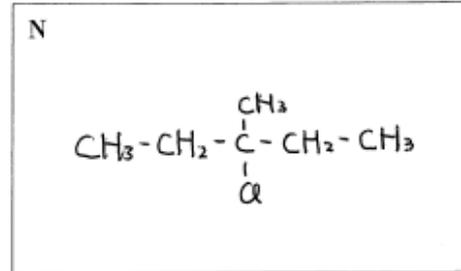
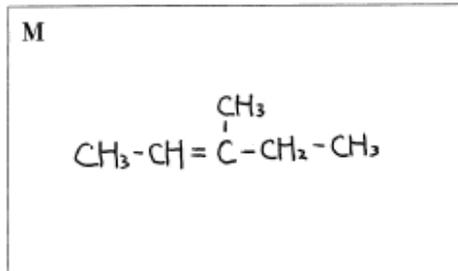
問 5



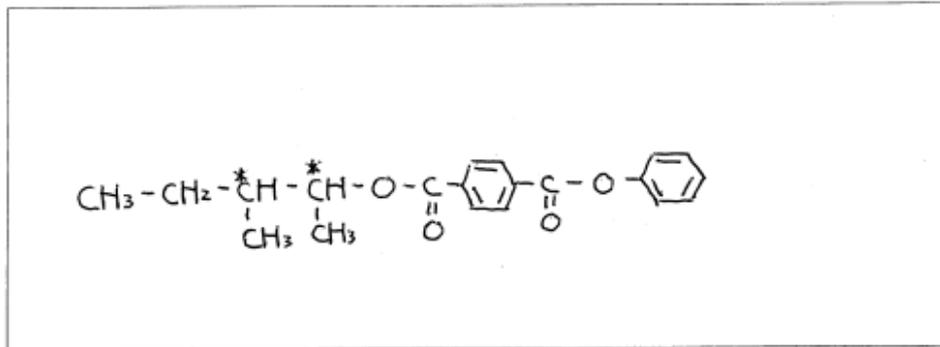
問 6



問 7



問 8



問 9

