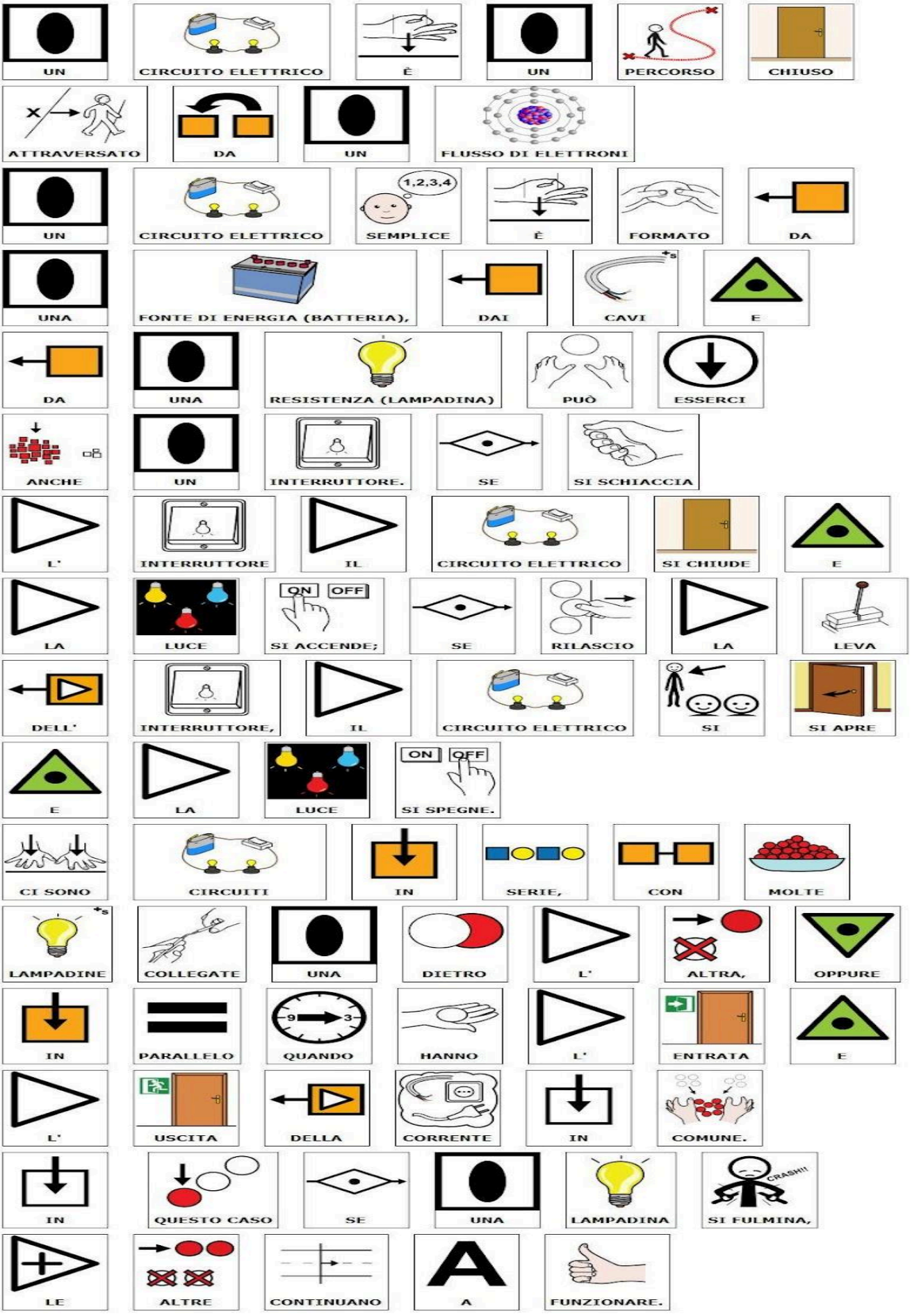
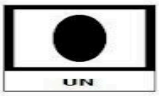
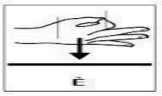
# IL CIRCUITO ELETTRICO




UN

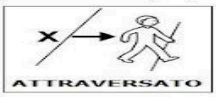

CIRCUITO ELETTRICO


È


UN


PERCORSO


CHIUSO

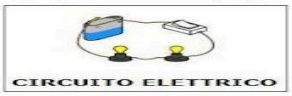

ATTRAVERSATO

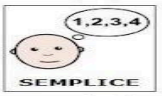

DA

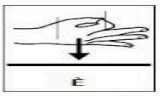

UN


FLUSSO DI ELETTRONI

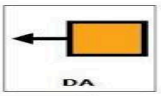

UN


CIRCUITO ELETTRICO

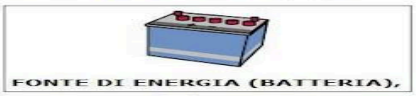

1,2,3,4
SEMPLICE

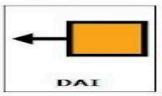

È


FORMATO


DA

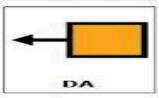

UNA


FONTE DI ENERGIA (BATTERIA),


DAI


CAVI


E


DA

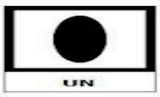

UNA

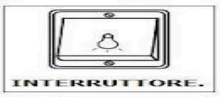

RESISTENZA (LAMPADINA)

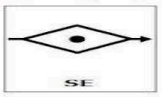

PUÒ


ESSERCI

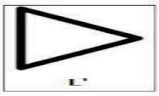

ANCHE

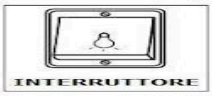

UN

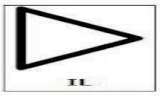

INTERRUTTORE.

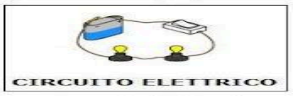

SE

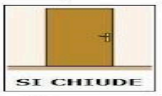

SI SCHIACCIA


L'

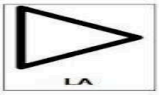

INTERRUTTORE


IL


CIRCUITO ELETTRICO


SI CHIUDE


E


LA


LUCE


ON
OFF
SI ACCENDE;


SE


RILASCIO


LA


LEVA


DELL'


INTERRUTTORE,


IL


CIRCUITO ELETTRICO


SI


SI APRE


E


LA


LUCE


ON
OFF
SI SPEGNE.


CI SONO


CIRCUITI


IN


SERIE,


CON


MOLTE


LAMPADINE


COLLEGATE


UNA


DIETRO


L'


ALTRA,


OPPURE


IN


PARALLELO


QUANDO


HANNO


L'


ENTRATA


E


L'


USCITA


DELLA


CORRENTE


IN


COMUNE.


IN


QUESTO CASO


SE


UNA


LAMPADINA


CRASH!
SI FULMINA,


LE


ALTRE

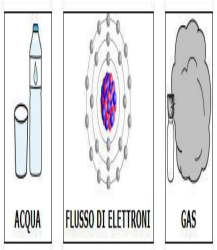

CONTINUANO

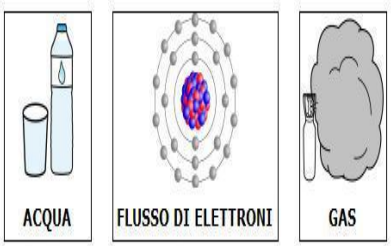

A

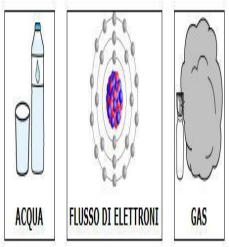

FUNZIONARE.

**DOMANDE RELATIVE AL TESTO “IL CIRCUITO ELETTRICO”**

1) Nel circuito elettrico che cosa passa?

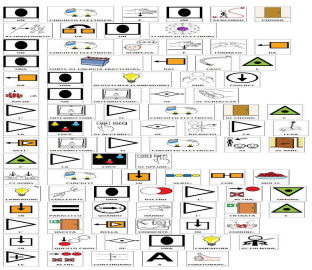
☐ 

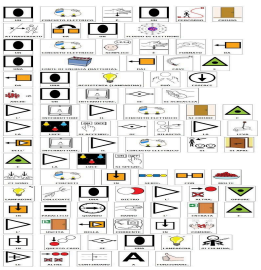

☐ 

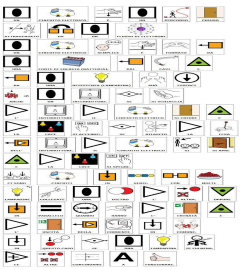

☐ 


p.___/1

2) Collega le immagini facenti parte di un circuito semplice con il loro nome:





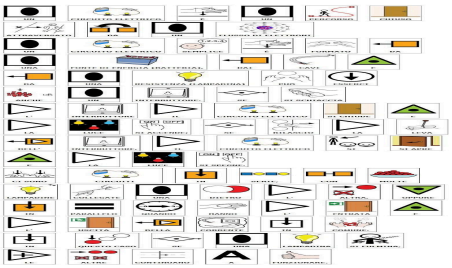


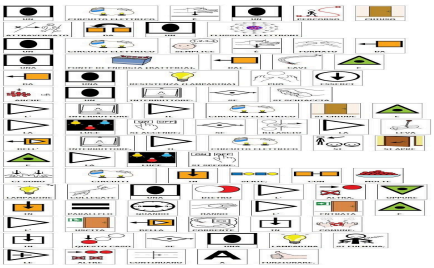
CAVI RESISTENZA BATTERIA

p.___/3

3) Collega i circuiti con le conseguenze rappresentate:

**CIRCUITO APERTO** **CIRCUITO CHIUSO**

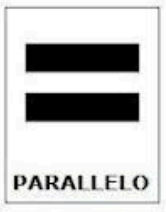




p.___/1

4) Collega i 

due tipi di circuiti con la definizione corretta:




**I CIRCUITI IN** **I CIRCUITI IN**

Le lampadine sono collegate una dietro l'altra

Le lampadine hanno l'entrata e l'uscita della corrente in comune

p.___/1

5) In quale circuito se una lampadina si fulmina le altre continuano a funzionare?

☐ CIRCUITO IN SERIE
☐ CIRCUITO IN PARALLELO p.___/1

6) Costruisci un circuito elettrico semplice (oppure osserva quello che ti fornisce l'insegnante), prova ad indicare i vari elementi e a farlo funzionare, spiegando cosa stai facendo. p.___/3

Punteggio: ____/10