

████████████████████-1766254313928

```html

██████ 10 █████: ██████████ ██████████ ██████████

•

/\* CSS Reset and Box Sizing \*/

```
* , *::before, *::after {
 box-sizing: border-box;
 margin: 0;
 padding: 0;
}
```

/\* Base Typography and Layout \*/

```
body {
 font-family: 'Arial', sans-serif;
 font-size: 12pt;
 line-height: 1.6;
 color: #000;
```

```
background-color: #fff;
margin: 0 auto;
max-width: 21cm; /* A4 width */
padding: 2.5cm; /* 2.5cm margins on all sides */
text-align: justify;
}
```

```
h1, h2, h3 {
font-weight: bold;
margin-top: 1.5em;
margin-bottom: 0.8em;
line-height: 1.2;
}
```

```
h1 {
font-size: calc(12pt * 1.5); /* Base size * 1.5 */
text-align: center;
margin-top: 2em;
margin-bottom: 1em;
}
```

```
h2 {
font-size: calc(12pt * 1.17); /* Base size * 1.17 */
margin-top: 1.5em;
margin-bottom: 0.8em;
border-bottom: 1px solid #eee;
```

```
padding-bottom: 0.3em;
}

h3 {
font-size: 12pt; /* Base size * 1.0, bold */
margin-top: 1.2em;
margin-bottom: 0.6em;
}
```

```
p {
margin-bottom: 1em;
text-indent: 1.5em;
}
```

```
.no-indent {
 text-indent:
}
}
```

```
/* Abstract Specific Styling */\n\n.abstract {\n background-color: #f9f9f9;\n border: 1px solid #ddd;\n padding: 1.5em;\n margin: 2em 0;\n border-radius: 5px;\n}
```

```
}
```

```
.abstract h2 {
 text-align: center;
 border-bottom: none;
 padding-bottom: 0;
 margin-top: 0;
 margin-bottom: 0.5em;
}
```

```
.keywords {
 margin-top: 1em;
 font-style: italic;
}
```

```
/* Table of Contents Styling */
```

```
.table-of-contents {
 margin-top: 2em;
 margin-bottom: 2em;
 padding: 1.5em;
 border: 1px solid #eee;
 border-radius: 5px;
}
```

```
.table-of-contents h2 {
```

```
text-align: center;
margin-top: 0;
margin-bottom: 1em;
}
```

```
.table-of-contents ul {
list-style: none;
padding-left: 0;
}
```

```
.table-of-contents ul li {
margin-bottom: 0.5em;
}
```

```
.table-of-contents ul ul {
padding-left: 1.5em;
list-style: disc;
}
```

```
/* References Styling */
```

```
.references-list {
list-style: none;
padding-left: 0;
}
```

```
.references-list li {
```

```
margin-bottom: 0.8em;

padding-left: 2.5em; /* For hanging indent */

text-indent: -2.5em; /* For hanging indent */

}
```

```
/* Print-specific styles */
```

```
@page {
margin: 2.5cm;
}
}
```

```
@media print {
```

```
body {
 margin: 0;
 padding: 0;
}

.page-break {
 page-break-before: always;
}
}
```

[REDACTED]: [REDACTED] [REDACTED]

[REDACTED]: 20 [REDACTED] 2025 [REDACTED]

[REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] 10-[REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED],

[REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

██████████ ██████████ ██████████ ██████████ ██████████ ██████████ ██████████  
████████.

████████ █████: ██████████ █████, 10 █████, ██████████,  
████████████████ █████, ██████████.

████████

1. ████████

• 2. ██████████████████████

• 3. [REDACTED]

3.1. [REDACTED]

• 3.2. [REDACTED]

• 3.3. [REDACTED]

• 3.4. [REDACTED]

• 4. [REDACTED]

• 5. [REDACTED]

• 6. [REDACTED]

[REDACTED] ■ [REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED], [REDACTED],  
[REDACTED] ■ [REDACTED] [REDACTED] [REDACTED]. ■ 10-[REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] – [REDACTED], [REDACTED] [REDACTED]  
[REDACTED] [REDACTED]. [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED],  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED].  
■ [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] 10-[REDACTED] [REDACTED], [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED]. ■ [REDACTED] [REDACTED]  
[REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED].

2. [REDACTED] [REDACTED]

[REDACTED] [REDACTED] ■ [REDACTED] [REDACTED] 10-[REDACTED] [REDACTED] [REDACTED],  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED] [REDACTED],  
[REDACTED] " [REDACTED] ( [REDACTED] [REDACTED] ) " [REDACTED] [REDACTED] [REDACTED]. [REDACTED]  
[REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED]  
[REDACTED] [REDACTED], [REDACTED], [REDACTED], [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED] [REDACTED] [REDACTED],  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED]. [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED].

### 3. [REDACTED] [REDACTED]

#### 3.1. [REDACTED] [REDACTED] [REDACTED] [REDACTED]

3.2. [REDACTED]

—  $\pi^+$  —  $\pi^-$ ,  $\pi^0$   
—  $\pi^+$  —  $\pi^-$ .  $\pi^0$   
 $\pi^0$  ( $\pi^0$ ),  $\pi^0$  ( $\pi^0$ ,  $\pi^0$ )  
 $\pi^0$  ( $\pi^0$ ).  $\pi^0$   $\pi^0$   $\pi^0$   
 $\pi^0$ ,  $\pi^0$  —  $\pi^0$ .  $\pi^0$   
 $\pi^0$ ,  $\pi^0$ ,  $\pi^0$   $\pi^0$   $\pi^0$   
 $\pi^0$ ,  $\pi^0$ ,  $\pi^0$ ,  $\pi^0$ .  $\pi^0$ ,  $\pi^0$ ,  $\pi^0$ ,  $\pi^0$ ,  $\pi^0$ .

3.4. [REDACTED]

— **██████████**, **██████████**,  
**██████████** (**██████████**), **██████████** **██████████**. **██████████**,  
**██████████**, **██████████**, **██████████**, **██████████**, **██████████**, **██████████**  
**██████████** **██████████** **██████████**. **██████████** **██████████** **██████████**.  
**██████████** **██████████** **██████████** **██████████**,  
**██████████** **██████████** **██████████** **██████████**,**██████████**

[REDACTED] [REDACTED].

4. [REDACTED]

[REDACTED] [REDACTED] [REDACTED] 10-[REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED].  
[REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED].  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED], [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED].

6. [REDACTED]

- 1. ██████████, █. █. (2018). █████. 10 █████. █████ (██████████)

[REDACTED]). [REDACTED]: [REDACTED].

- 2. [REDACTED], ■. ■. (2018). [REDACTED] ([REDACTED]). 10 [REDACTED]:  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED]:  
[REDACTED].
- 3. [REDACTED], ■. ■. (2018). [REDACTED]. 10 [REDACTED]: [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] ([REDACTED]). [REDACTED]: [REDACTED].
- 4. [REDACTED], ■. ■., [REDACTED], ■. ■., & [REDACTED], ■. ■. (1998). [REDACTED].  
[REDACTED] [REDACTED]. 10 - 11 [REDACTED]: [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED]. [REDACTED]: [REDACTED].
- 5. [REDACTED], ■. ■., [REDACTED], ■. ■., & [REDACTED], ■. ■. (2018). [REDACTED]  
([REDACTED]). 10 [REDACTED]: [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED]. [REDACTED]: [REDACTED].
- 6. [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]. (2017). [REDACTED]  
[REDACTED] [REDACTED] ([REDACTED]) [REDACTED] 10-11 [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED]. [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
[REDACTED] [REDACTED] [REDACTED] 1407 [REDACTED] 23 [REDACTED] 2017 [REDACTED].
- 7. [REDACTED], ■. ■., & [REDACTED], ■. ■. (2018). [REDACTED] ([REDACTED]). 10  
[REDACTED]: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED].  
[REDACTED]: [REDACTED].
- 8. [REDACTED], ■. ■. (2018). [REDACTED] ([REDACTED]). 10 [REDACTED]:  
[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]. [REDACTED]:

<https://lms.e-school.net.ua/courses/course-v1:UIED+Chemistry-10th-grade+2020/about>

- 11. [REDACTED] 10–11 [REDACTED]  
[REDACTED]. [REDACTED] [REDACTED]. (n.d.). [REDACTED]  
[REDACTED]

<https://mon.gov.ua/storage/app/media/zagalna%20serednya/programy-10-11-klas/khimiya-10-11-klasy>

- 12. [REDACTED]-[REDACTED] " [REDACTED] 10 [REDACTED]" ([REDACTED]) [REDACTED]. (2019, [REDACTED] 19). [REDACTED]. [REDACTED]

<https://www.virtutech.us/library/kalenderne-tomtione-planyuvanna-himis-10-klass-neva-programma-riven-stan>

- 13. ██████████ ██████████ ██████████ ██████████ ██████████ - ████████. ██████████  
██████████. 10 █████. ██████████. (n.d.). ██████████ ██████████. ██████████

- 14. [REDACTED] (REDACTED) 10-11 [REDACTED]  
[REDACTED] [REDACTED]. (2017, [REDACTED] 23).

Chemteacher. [REDACTED]

[REDACTED] 8 -  
10 [REDACTED]. [REDACTED]: [REDACTED].

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