## Noun Ending Rules

1．Stems ending in $\alpha$ or $\eta$ are in the 1 st declension＂A class＂，stems ending in o are in the 2 nd declension ＂O class＂，and consonantal stems are in the 3rd declension．
2．Neuter nouns have the same form in the nominative and the accusative．
3．Almost all neuter words end in $\alpha$ in the nominative and accusative plural．
4．In the dative singular，the 1 subscripts if possible． （Because an 1 can only subscript under a vowel－－in which case the vowel lengthens－－it subscripts only in the 1st \＆2nd declensions）．
5．Vowels can often change their length（＂ablaut＂）．
6．In the genitive and dative，the masculine and neuter will always be identical．
7．The Square of Stops
8．A $\tau$ cannot stand at the end of a word and will drop off．
9．1st Declension nouns that end in $\varepsilon$ ， l ，or $\rho$ will have an $\alpha$ instead of an $\eta$ in the singulars．For other forms see Mounce 345－6．

|  | Definite Articles |  |  |
| :---: | :---: | :---: | :---: |
|  | M | F | N |
| Class | O／2 | A／1 | O／2 |
| Nom．Sg． | ó | $\eta{ }^{\circ}$ | пó |
| Gen．Sg． | ธov | $\tau \bar{\eta} \zeta$ | $\tau 0 \hat{v}$ |
| Dat．Sg． | $\tau \omega$ | $\tau \eta{ }^{\text {n }}$ | $\tau \omega \underline{\omega}$ |
| Acc．Sg． | tóv | $\tau \eta ้$ | тó |
| Nom．Pl． | oi | $\alpha i$ | $\tau \alpha$ |
| Gen．Pl． | $\tau \bar{\omega} \mathrm{v}$ | $\tau \bar{\omega} v$ | $\tau \bar{\omega} \mathrm{v}$ |
| Dat．Pl． | тoîs | т 1 is | тois |
| Acc．Pl． | тov́s | т ${ }^{\text {c }}$ | $\tau \alpha$ |


| Noun Endings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| M | F | N | M／F | N |
| 0 | A | 0 | Cons．$+1, \mathrm{v}$ |  |
| $\varsigma$ |  | $v$ | $\bigcirc 1$ |  |
| $v$ | $\varsigma$ | $v$ | OS | OS |
| 1 | 1 | 1 | 1 | 1 |
| $v$ | $v$ | $v$ | $\alpha / v$ |  |
| 1 | 1 | $\alpha$ | $\varepsilon \zeta$ | $\alpha$ |
| $\omega \mathrm{V}$ | $\omega \mathrm{V}$ | $\omega v$ | $\omega \mathrm{V}$ | $\omega \mathrm{V}$ |
| 15 | 15 | 15 | $\sigma 1(v)$ | $\sigma t(v)$ |
| vs | $\checkmark$ | $\alpha$ | $\alpha \varsigma$ | $\alpha$ |


${ }^{1}$ In the case of $\alpha$ and $\mathbf{0 1}$ ，they are formed when the ending has a diphthong in its natural state．The alternate endings of $\alpha$ and $\boldsymbol{o v}$ are formed when the $\boldsymbol{\epsilon} \mathbf{1}$ is formed by contraction．
${ }^{2}$ At times，this form does not augment．

| Personal Pronouns |  |  |
| :---: | :---: | :---: |
| 1st | 2nd | 3rd 2－1－2（2b） |
| ̇ $\gamma \omega \omega^{\prime}$ | OV | $\alpha v$ ט－oऽ $\dagger$ о |
| ¢ $\mu$ оर | oov |  |
| غ́noí | OOl |  |
| ¢ $\mu \varepsilon$ | $\sigma \varepsilon$ |  |
| $\dot{\eta} \mu \varepsilon$ 亿¢ | טนкıis |  |
| $\dot{\eta} \mu \bar{\omega} v$ | v $\mu \hat{\omega} \mathrm{v}$ |  |
| ทัûv | viniv |  |
| $\dot{\eta} \mu \hat{\alpha} \varsigma$ | vj$\hat{\alpha} \varsigma$ |  |
| Short forms，$\mu \mathrm{ov}, \mu \mathrm{ov}, \mu \varepsilon$ |  |  |


| Near \＆Far Demonstrative Pronouns |  |
| :--- | :--- |
| Near | Far |
| $2-1-2(2 b)$ | $2-1-2(2 b)$ |
| $o \hat{v} \tau-o \varsigma \alpha \ddot{v} \tau-\eta \tau o \hat{v} \tau-0$ | $\dot{\varepsilon} \kappa \varepsilon \iota v-o \varsigma \eta \quad 0$ |
| Masculine and Feminine nominatives begin <br> with the vowels and rough breathing marks． <br> However，their other forms have $\tau$. |  |

## Attributive／Predicate Rules

$\mathrm{A}+\mathrm{A}+\mathrm{N}=\mathrm{A}$ Adjective + Article + Noun $=$ Attributive $\mathrm{A}-\mathrm{A}+\mathrm{N}=\mathrm{P}$ Adjective－Article + Noun $=$ Predicate $\mathrm{A}-\mathrm{N}=\mathrm{S}$ Adjective－Noun＝Substantive $\mathrm{A}+\mathrm{N}-\mathrm{As}=\mathrm{I}$ Adjective + Noun－Articles $=$ Independent

©aúvós does not have the article in its Predicate position．
（2When used reflexively，it is usually nominative and modifying a noun 3 When used as the identical adjective it is usually attributive．

## Consonantal Reduplication

$\rightarrow$ With a single consonant，repeat the consonant，add epsilon：$\lambda \dot{\varepsilon} \lambda \nu \kappa \alpha$ $\rightarrow$ If the consonant is $\phi, \chi, \theta$ then you get the hardened form $\pi, \kappa, \tau$ ． $\pi \varepsilon \phi \alpha \ldots \kappa \varepsilon \chi \alpha \ldots \tau \varepsilon \theta \varepsilon \ldots$
$\rightarrow$ In Compound Verbs the reduplication takes place before the verb in the same way augmentation does．$\dot{\varepsilon} \kappa \beta \dot{\varepsilon} \beta \lambda \eta \kappa \alpha$
$\rightarrow$ Contract Verbs lengthen their contract vowels．$\gamma \varepsilon \gamma \varepsilon^{\prime} v \nu \eta \kappa \alpha$ or $\lambda \varepsilon \lambda \alpha^{\prime} \lambda \eta \kappa \alpha$

## Vocalic Reduplication

$\rightarrow$ Vowels or diphthongs，the vowel lengthens as with the Imperfect．

$\rightarrow$ Verbs beginning with two consonants will usually have vocalic reduplication．$\gamma \nu \omega$ becomes＂${ }_{\varepsilon} \gamma v \omega \kappa \alpha$

## Attic Reduplication

$\rightarrow$ Some verbs whose themes begin with $\alpha, \varepsilon$ or o followed by a single consonant，reduplicate by repeating the initial vowel and the consonant and by lengthening $\alpha$ and $\varepsilon$ to $\eta$ ，and о to $\omega . \dot{\alpha} \kappa о v \dot{\omega} \omega$ becomes $\dot{\alpha} \kappa \dot{\eta} \kappa о \alpha$ for $\dot{\alpha} \kappa \eta ́ \kappa о(v) \alpha \stackrel{\alpha}{\alpha} \gamma \omega$ has $\dot{\alpha} \gamma \eta \dot{\eta} \circ \chi \alpha$ for $\dot{\alpha} \gamma \eta(\gamma) \mathrm{o} \chi \alpha$

## The Sigmanator

## As Part of the Stem

$\rightarrow$ Before $\mu$ or $v, \sigma$ disappears and the vowel before it lengthens．$\varepsilon \sigma+\mu \mathrm{t}=\varepsilon \iota \mu$ ．
$\rightarrow$ Two $\sigma$ brought together by inflection become one $\sigma . \tau \varepsilon \lambda \varepsilon \sigma+\sigma \alpha \iota=\tau \varepsilon \lambda \varepsilon \sigma \alpha \mathrm{l}$ ．

## As Part of the Noun Ending

$\rightarrow v \tau, v \delta, v \theta+\sigma=v \sigma \sigma \rightarrow v \sigma \rightarrow v$ then $v$ drops out and the vowel preceding it is lengthened．So also $v, \tau, \delta, \theta$ ．Cf．$\tau \imath v, \pi \alpha v \tau$ ，$\dot{\varepsilon} v, \chi \alpha \rho \imath \tau$ ，$\phi \omega \tau$ ，$\varepsilon \lambda \pi \imath \delta, \pi \varepsilon v v \mu \alpha \tau$
$\rightarrow \sigma$ as one of the noun endings does not drop out even when intervocalic．

## As Part of the Verb Ending

$\rightarrow v$ drops out because of the $\sigma \&$ the preceding vowel is lengthened：$\varepsilon+0=0 v ; \alpha / 0+0=\omega$
$\rightarrow$ As part of the verb endings in non－liquid verbs，$\sigma$ only drops out in the $2 \mathrm{SM} / \mathrm{P}$ forms of $\sigma \alpha 1 \& \sigma 0$ ．

## As Part of the Tense Formative

$\rightarrow$ The $\sigma$ drops out in the Perfect，Active，Feminine Participle because it is intervocalic． $\rightarrow$ Liquid limners $\lambda \mu \vee \rho+\varepsilon \sigma$（liquid Futures）or $+\sigma$（1st Aorist）causes the $\sigma$ to disappear．
$\rightarrow$ The only stop that can stand before $\sigma$ is $\pi$ or к．Hence，$\beta, \phi$ become $\pi ; \gamma, \chi$ become $\kappa$ ． $\gamma \rho \alpha \phi+\sigma \omega=\gamma \rho \alpha \pi \sigma \omega$ ．

## Metamorphosis

$\rightarrow$ A dental stop $(\tau, \delta, \theta)$ before another dental stop becomes a $\sigma: 1 \delta+\tau \varepsilon=1 \sigma \tau \varepsilon$ ．
$\rightarrow$ A dental stop $(\tau, \delta, \theta)$ before $\mu$ often becomes $\sigma: \pi \varepsilon \phi \rho \alpha \delta+\mu \alpha \imath=\pi \varepsilon \phi \rho \alpha \sigma \mu \alpha l$ ．

| Indicative and Non－Indicative of $\varepsilon$ i $\mu$ í |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Present | Imperfect | Future | Subjunctive | Imperative | Infinitive |
| عi $\mu i^{1}$ | $\eta{ }^{\prime \prime} \mu \eta \nu$ | हैбои 1 | ${ }^{\hat{\omega}}$ |  | عiv ${ }^{\text {a }}$ |
| $\varepsilon$ £ | ท่ง | हैбท̣ | ทฺ่ร | ＇ı $\sigma$ ¢ |  |
| coví（v） | $\hat{\dagger} v$ | $\varepsilon " \sigma \tau \alpha 1$ | ทฺ่s | ぞ $\sigma \tau \omega$ |  |
| $\dot{\varepsilon} \sigma \mu \dot{\varepsilon} v$ | $\hat{\eta} \mu \varepsilon \varepsilon \nu, \hat{\eta} \mu \varepsilon \theta \alpha$ | z\％ó $\mu \varepsilon \theta \alpha$ | ${ }^{\omega} \mu \mathrm{L}$ |  |  |
| $\dot{\varepsilon} \sigma \tau \dot{\varepsilon}$ | ท่ $\tau \varepsilon$ | ¢̈ $\sigma \varepsilon \sigma \theta \varepsilon$ | $\stackrel{\text { j }}{ }$ ¢ | ¢ $¢ \sigma \tau \varepsilon$ |  |
| عioí（v） | $\hat{\eta} \sigma \alpha \nu$ |  | $\hat{\omega} \sigma 1(\mathrm{v})$ | \％＇$\% \tau \omega \sigma \alpha$ |  |

${ }^{1}$ The root for $\varepsilon i \mu^{\prime}$ is $\varepsilon \sigma$ ．Normally，the $\sigma$ drops out before $\mu$ and the preceding vowel is lengthened（Smyth §105）．Development of the Indicative：$\varepsilon \sigma-\mu \mathrm{l} \rightarrow \varepsilon-\mu \mathrm{l} \rightarrow \varepsilon \iota \mu \mathrm{l} ; \varepsilon \sigma-\sigma \mathrm{l} \rightarrow \varepsilon \sigma \imath \rightarrow \varepsilon \hat{\imath} ; \varepsilon \sigma-\tau \mathrm{l}(v)$ ； retains the original $\tau \iota$ ending；$(\sigma-) \varepsilon v \tau \iota \rightarrow \varepsilon \imath \sigma \iota$ ．The Subjunctive： $\varepsilon \sigma-\omega \rightarrow \varepsilon \omega \rightarrow \stackrel{\widehat{\omega}}{ }$ ．The Optative：$\varepsilon \sigma-\imath \eta-v \rightarrow \varepsilon ı \eta v ; \varepsilon \sigma-\imath-\mu \varepsilon \nu \rightarrow$ $\varepsilon \notin \varepsilon v$ ．The Infinitive：$\varepsilon \sigma-v \alpha \iota \rightarrow \varepsilon \iota v \alpha \imath$ ．The Participle：$\varepsilon \sigma-\omega \nu \rightarrow$ $\varepsilon \omega v \rightarrow \omega v$（Smyth $\$ 770$ ）．

This verb chart reflects the actual verb endings, not simply paradigm endings. The shaded cells are NOT actual endings but the result of morphology. The actual ending is listed in the cell to the immediate left separated by a lightly dashed line and a footnote explains the change. The cells with bold outlines are $\mu \mathrm{l}$ verb endings which will be helpful to know but not formally covered until the end of the book. Memorizing this chart drastically reduces the amount of memorization required. My adaptation is best to learn because it forces you to learn rules of contraction but also shows you the results of the contraction. Red letters are contract verb imperatives.


## Verb Footnotes

${ }^{1}$ Technically there is no ending. Instead there is an o connecting vowel. Because there is no ending, the o lengthens to an $\omega$ (Smyth §463a).
${ }^{2}$ The connecting vowel here is $\varepsilon$ but it has apparently lengthened to $\varepsilon 1$. Mounce and Smyth disagree on this matter. Smyth supposes it is $\lambda \hat{v} \varepsilon-\sigma \iota$, which contracts to $\lambda \hat{v} \varepsilon ı$ and he imagines that a $\varsigma$ has been added to give us $\lambda$ v́عıऽ (Smyth §463b). Mounce agrees with the development but thinks that the original sigma has switched places with the iota, a process known as metathesis (Mounce p. 134 fn 11).
${ }^{3}$ The original ending was $\tau 1$ but the $\tau$ dropped out. The original can be seen in $\varepsilon \sigma \tau l(v)$ (Mounce p. 133, fn 8).
${ }^{4}$ For our purposes, the $\varepsilon 1$ ending is formed from the $\varepsilon$ connecting vowel and the 1 ending, although in the Perfect there is no $t$ only a moveable $v$. There is no good technical explanation for how $\varepsilon \iota$ is formed since $\tau \iota$ to $\sigma \iota$ would render $\eta ̣$ not $\varepsilon \imath$ (Mounce,
$M B G$ p. 80 n5; Smyth $\S 463$ c; Funk §3670.2).
${ }^{5}$ Written as ov $\sigma$, technically the ending is $v \sigma \iota$ but the $v$ drops out because of the $\sigma$. The connecting vowel, which would have been o before a $v$, has lengthened to ov to compensate (Mounce p. 128 fn 8 ). Additionally, a moveable nu may be added to the end of both ovol(v) and $\alpha \sigma l(v)$.
${ }^{6}$ Except for the Perfect M/P, the 1st Aorist M, and the M/P $\mu \mathrm{t}$ verbs, the sigma drops out and the vowels contract. Contracted forms may be $\eta, \alpha, o$. Some charts list $-\varepsilon \imath$ as an alternate ending. Smyth (§628) mentions that it is an alternate spelling of the Present and Future M/P and the Future Perfect passive. It is an Attic spelling (EI for ņor $\eta \imath$ ). In the NT, this form occurs only in Lk.
 verbs in the NT ending this way are active Imperatives of contract verbs ending in $\varepsilon$.
${ }^{7}$ Smyth explains that the $\alpha / v$ ending actually is a $\mu$ which converts to a $v$ when preceded by a vowel or to an $\alpha$ when preceded by a consonant. The $\mu$ is one of the "sonant nasals" $\lambda, \mu, \nu, \rho$. The $1^{\text {st }}$ Aorist $\bar{\varepsilon} \lambda \hat{v}+\sigma+\mu$ became ${ }^{\varepsilon} \lambda \nu \sigma \alpha$ and the $\alpha$ grew into use in all the $1^{\text {st }}$ Aorist forms except the 3 sg . which gives us the so-called $\sigma \alpha$ tense formative (Smyth §464a \& 666).
${ }^{8}$ Technically, there is no ending here. Instead, the connecting vowel $\varepsilon$ stands alone or with a moveable nu $\varepsilon(v)$. In the Secondary Active it may be that the $\varepsilon$ is held over from the Perfect tense

| Participle Morphemes |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Present | Aorist |  | Perfect |  |  |
|  | $\mathrm{M} / \mathrm{N}$ | Fem. | $\mathrm{M} / \mathrm{N}$ | Fem. | $\mathrm{M} / \mathrm{N}$ | Fem |

## Stem Things

$1 \zeta \omega \alpha \zeta \omega$ stems ususaly end in a dental, e.g. $\delta$ $\alpha \sigma \sigma \omega$ stems usually end in a velar, e.g. $\chi, \gamma$ but $\sigma \sigma$ was added to form the present. $\sigma \kappa 1 \sigma \kappa$ are added to some roots to form the present tense. form of the verb (cf. Smyth $\S 464 c$ ). That is not the same as with the Imperative Active. With the Aorist and Future Passives, no ending is used, simply the eta from the tense formative.
${ }^{9}$ Technically, $\sigma 0$ is the ending but the $\sigma$ drops out when it is intervocalic and the o contracts with the connecting vowel, either $\varepsilon$ or o and the result is lengthening to $o v$ or $\omega$ respectively. In some $\mu \mathrm{t}$ verbs $\sigma$ remains. A $\sigma$ between vowels is due to phonetic change (Smyth §120).
${ }^{10}$ Technically, there is no ending here. Instead, the connecting vowel $\varepsilon$ stands alone or with a moveable nu $\varepsilon(v)$. In the Active second singular of liquids, such as the 1st Aorist, ov is the ending instead. The o replaces $\alpha$ (Smyth §669). With Contract verbs, the contract vowel lengthens to either $\alpha, \varepsilon \iota, \omega$, or ov. Additionally,

| Indicative Mood Verbs |  |  |  |
| :---: | :---: | :---: | :---: |
| Tense | Active | M/P | Passive |
| Present | ${ }^{\circ} /{ }_{\varepsilon}+\mathrm{Pae}$ | ${ }^{\circ} /{ }_{\varepsilon}+$ Pmpe |  |
| 1st Future | $\square \sigma^{\circ} /{ }_{\varepsilon}+\mathrm{Pae}$ | $\square \sigma{ }^{\circ} /{ }_{\varepsilon}+$ Pme | $\square \theta \eta{ }^{\circ} /{ }_{\varepsilon}+$ Pmpe |
| 2nd Future | $\mathbf{\Delta}^{0} / \varepsilon \varepsilon \sigma+$ Pae | A $\varepsilon \sigma^{\circ} / \varepsilon+$ Pmpe | $\Delta \eta \sigma^{\circ} /{ }_{\varepsilon}+$ Pmpe |
| Liquid Future | $\square \varepsilon \sigma^{\circ}{ }_{\varepsilon}+\mathrm{Pae}$ | $\square \varepsilon \sigma{ }^{\circ} / \varepsilon+$ Pmpe |  |
| Imperfect | $\varepsilon{ }^{0} / \varepsilon+$ Sae | $\varepsilon{ }^{0} / \varepsilon_{\varepsilon}+$ Smpe |  |
| 2nd Aorist | $\varepsilon \Delta^{0} /{ }_{\varepsilon}+$ Sae | $\varepsilon \mathbf{\Delta}^{0}{ }_{\varepsilon}+$ Sme | $\varepsilon \Delta \eta+$ Sae |
| 1st Aorist | $\varepsilon \bigcirc \sigma \alpha+$ Sae | $\varepsilon \bigcirc \sigma \alpha+$ Sae | $\varepsilon \bigcirc \theta \eta+$ Sae |
| Liquid Aorist | $\varepsilon \bigcirc \alpha+$ Sae | $\varepsilon \bigcirc \alpha+$ Sme |  |
| 1st Perfect | ${ }^{\text {RE }} \kappa \alpha+\mathrm{Pae}$ | ${ }^{\text {RE }}+$ Pmpe |  |
| 2nd Perfect | ${ }^{\mathrm{RE}}\langle\alpha+\mathrm{Pae}$ | ${ }^{\text {RE }}$ - $\alpha+$ Pmpe |  |
| 1st Pluperfect | $\varepsilon^{\mathrm{RE}} \kappa \varepsilon ı+\mathrm{Sae}$ | $\varepsilon^{\mathrm{RE}}+$ Smpe |  |
| 2nd Pluperfect | $\varepsilon^{\mathrm{RE}} \varepsilon \iota+\mathrm{Sae}$ | $\varepsilon^{\mathrm{RE}}+$ Smpe |  |
| Subjunctive Mood Verbs |  |  |  |
| Present | ${ }^{\omega} /{ }_{\eta}+\mathrm{Pae}$ | ${ }^{\omega} /{ }_{\eta}+$ Pmpe |  |
| 1st Aorist | $\bigcirc \sigma^{\omega} /{ }_{\eta}+\mathrm{Pae}$ | $\bigcirc \sigma^{\omega} /{ }_{\eta}+$ Pme | $\bigcirc \theta^{\omega} /{ }_{\eta}+\mathrm{Pae}$ |
| 2nd Aorist | $\mathbf{\Delta c}^{\omega} /{ }_{\eta}+\mathrm{Pae}$ | $\mathbf{\Delta}^{\omega} /{ }_{\eta}+$ Pme | $\Delta \eta+\mathrm{Pae}$ |
| Optative Mood Verbs |  |  |  |
| Present | Or + Sae | Oot $+\mathrm{Sm} / \mathrm{pe}$ |  |
| Future | $\square$ oor + Sae | $\square$ oor +Sme | $\square \theta \eta \sigma 01+$ Sae |
| 1st Aorist | $\bigcirc \sigma \alpha ı+$ Sae | $\bigcirc \sigma \alpha 1+$ Sme | $\bigcirc \theta \varepsilon ı+$ Sae |
| 2nd Aorist | $\Delta \mathrm{Ol}+\mathrm{Sae}$ | Aol + Sme | $\Delta \varepsilon ı+$ Sae | Athematic verbs may have $\eta$.

${ }^{11}$ Technically, $\sigma 0$ is the ending but the $\sigma$ drops out when it is intervocalic (Smyth §120) and the o contracts with the connecting vowel, either $\varepsilon$ or $o$ and the result is lengthening to $o v$ or $\omega$ respectively. In the Middle of liquid verbs, such as the 1 st Aorist, the ending switches to $\alpha<$ (Smyth §669). However, oo does appear as an

- Shapes represent verb stems. Present \& Imperfect use the same stem.
- Contract verbs end in $\alpha, \varepsilon$, or o.
- Bold outlined forms take secondary endings.
(1) The Connecting Vowel is o before $\mu$ or $v$, otherwise $\varepsilon$.
(2Imperfects \& Aorists augment, Perfects reduplicate. Augmentation
(2)mperfects \& Aorists augment, Perfects reduplicate. Augmentation
ceases outside of the Indicative mood.
(3The Indicative mood is negated by ov, ovк, and ov ; everything else by $\mu \eta$. The strongest form of negation is ov $\mu \eta$.
© In questions, ov expects a yes answer, $\mu \eta$ no.

ब̈v), ő $\varsigma \nless \alpha v$,
 " $\omega \varsigma{ }^{\alpha} v$.

| Indicative Mood Verb Tense Formatives |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Future |  | Aorist |  | Perfect | Pluperfect |
| $A c t$ | Pas | Act | Pas | Act | Act |
| $\sigma, \varepsilon \sigma$ | $\theta \eta \sigma, \eta \sigma$ | $\sigma \alpha, \alpha$ | $\theta \eta, \eta$ | $\kappa \alpha, \alpha$ | $\kappa \varepsilon \imath, \varepsilon \iota$ |

ending in the Athematic and some Thematic verbs.
${ }^{12}$ This is only used in thematic verbs as a 1st or 2nd Aorist Passive Indicative; in athematic verbs as Imperfect \& Second Aorist Active Indicative.

[^0]Tense
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[^0]:    Athematic ( $\mu \mathrm{t}$ verb) Rules

    1. Reduplicate with $t$ in the Present \& Imperfect.
    2. Normally, no connecting vowel (thematic).
    3. The stem vowel can lengthen, shorten, or drop out. 4. Most use $\kappa \alpha$ as the Aorist $\&$ Perfect tense formative. 5. Reduplicates with $\varepsilon$ in the Perfect.
